

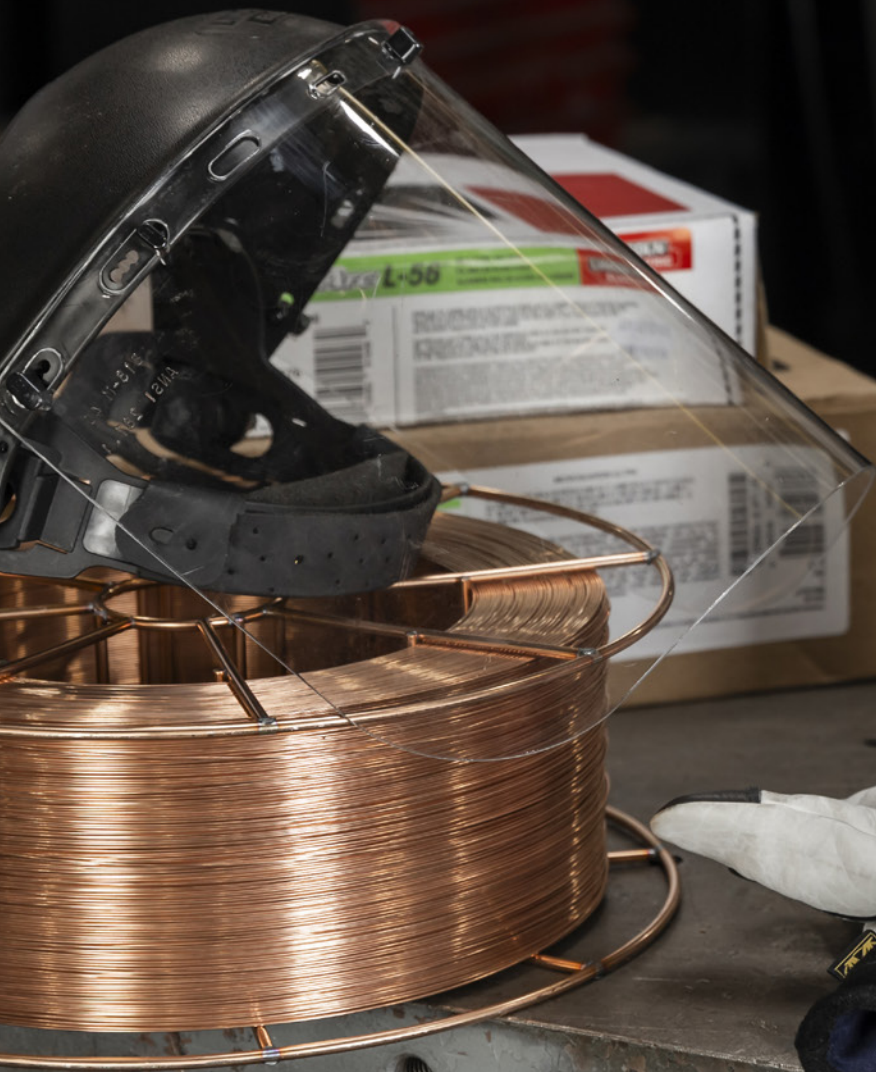


Equipment Catalog

# WELDING & CUTTING SOLUTIONS

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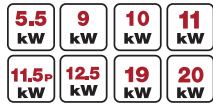


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## Output Icons

Auxiliary power output



Alternating current welding output



Direct current welding output



Air Pressure and Flow



For constant current stick and TIG processes



Alternating or direct current welding output



2-Roll Wire Feeder



For constant voltage MIG, flux-cored and subarc processes



Battery Charger



4-Roll Wire Feeder



For multiprocess constant current or constant voltage applications

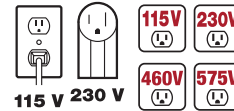


## Input Icons

Input Power Voltage



Input Voltage



Input Power



Input Power



Engine Driven: Diesel, Gas or LPG



CrossLinc®



## Warranty Commitment



### Product Warranty

You have a right to expect that the welding and cutting equipment, electrode and flux you purchase will be free of defects in workmanship and material. Standing behind the high quality of our products, Lincoln Electric's warranty commitment to its customers leads the industry in breadth and scope.

For example, our limited warranty extends to 7 Years on many of our main power rectifiers. With few exceptions, all industrial welders and power sources carry a full 3 Year Lincoln Electric warranty. Electrode, wire and flux are warranted for 1 full year, as are environmental systems.

### Extended Warranty Available

If you choose, you can extend the duration of the Lincoln Electric warranty on your Lincoln Electric industrial welder and cutting machines by two years with the Lincoln Electric Extended Warranty. Available only in the United States and Canada. Visit our web site for more information.

### Quality Systems

Choose welding suppliers wisely. Look for third party certifications on the companies and products you select. In fact, some of your projects or customers may require it. Many Lincoln Electric manufacturing sites have been inspected and registered to the world's ISO standards. Lincoln Electric was the first welding manufacturer to be registered to the tough ISO 9001 and 14001 standards.

However, there's more. Equipment destined for harsh environments are often tested to IP21, IP23 and IP23S standards. Products intended for the Canadian market meet stringent CSA (Canadian Standards Association) standards. Electrode is tested to comply with AWS (American Welding Society) and often ASME Boiler Pressure codes, ABS (American Bureau of Shipping), CWB/CSA (Canadian Welding Bureau) and MIL qualifications. Certificates of Conformance are available at our web site.

## Operator Manuals and Replacement Parts Lists

### Service Navigator - Electronic Parts Catalog

Quickly navigate to service documentation for a particular machine by utilizing the code number filter. Accessing all of the product information you need is just a click away - operator's manuals, parts lists and more at [parts.lincolnelectric.com](http://parts.lincolnelectric.com).

### CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, cutting equipment and EV charging systems. Our challenge is to meet the needs of our customers, who are experts in their fields, and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or technical information about their use of our products. Our employees respond to inquiries to the best of their ability based on information and specifications provided to them by the customers and the knowledge they may have concerning the application. Our employees, however, are not in a position to verify the information provided or to evaluate the engineering requirements for the particular weldment, or to provide engineering advice in relation to a specific situation or application. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or communications. Moreover, the provision of such information or technical information does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or technical information, including any implied warranty of merchantability or any warranty of fitness for any customers' particular purpose or any other equivalent or similar warranty is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but the definition of specifications, and the selection and use of specific products sold by Lincoln Electric is solely within the control of, and remains the sole responsibility of the customer. Many variables beyond the control of Lincoln Electric affect the results obtained in applying these types of fabrication methods and service requirements.

Subject to Change – This information is accurate to the best of our knowledge at the time of printing. Please refer to [www.lincolnelectric.com](http://www.lincolnelectric.com) for any updated information.

Availability and/or specifications of products listed in this catalog are subject to change at any time without notice.





# STICK WELDERS

MODEL	OUTPUT			PROCESS				INPUT		FEATURES					
	Mode	Polarity	Current Range (Amps)	Stick	High Frequency TIG	Touch Start TIG*	Pulsed TIG	Phase	Hertz	Compact	115/230 Volt Auto-Sensing	Hot Start	Arc Force	Meters	Polarity Switch
<b>COMMERCIAL</b>															
<b>Sprinter™ 180Si</b>	CC	DC	5-200	●	●	●	●	1	60	●	●				
<b>AC 225™</b>	CC	AC	40-225 AC	●				1	50/60	●					
<b>AC/DC 225/125™</b>	CC	AC/DC	30-125 DC 40-225 AC	●				1	50/60	●					●
<b>INDUSTRIAL</b>															
<b>Idealarc® 250</b>	CC	AC/DC	40-250 DC 35-300 AC	●			●	1	60						●
<b>Invertec® V276</b>	CC	DC	20-275 DC	●		●		1/3	50/60	●		●	●	●	

KEY: ● Excellent ● Good ● Optional

## Sprinter™ 180Si

Portable. Versatile. Powerful.

- A lightweight inverter welder ideal for beginners. It is capable of DC Stick and DC TIG applications
- 120V and 230V inputs so you can plug into any common power supply
- A crisp arc allows for greater welding versatility and superior performance on E6010 and E6011 electrodes, while a soft arc allows for dependable E7018 arc starting
- The pulsed TIG mode provides heat management and enhanced control when making a thin, precise weld
- Weighs under 20 lbs. (9.07 kg) and is easy to carry with its ergonomic handle or included shoulder strap



**Processes**

- DC Stick
- DC TIG

**Output**



**Input**



**Literature**

E2.203

Product Name	Product Number	Input Power	Rated Output Current/Voltage/ Duty Cycle	Input Current @ Rated Output	Output Range	Open Circuit Voltage (OCV)	H x W x D in (mm)	Net Wt lb (kg)
Sprinter™ 180Si	K5453-1	120/230/1/60	110A/14.6V/40% TIG	120VAC: 20A	10-110A DC TIG 20-85A STICK	Average OCV - 65V Peak OCV - 110V VRD OCV (Peak) - 14V	11.8 x 6.25 x 16 (299.7 x 158.8 x 406.4)	19.5 (8.45)
Sprinter™ 180Si TIG One-Pak®	K5584-1		85A/23.2V/40% STICK	230VAC: 30A	10-200A DC TIG			
Sprinter™ 180Si Case One-Pak®	K5600-1		200A/16.4V/25% TIG		20-180A STICK			
Sprinter™ 180Si Case and TIG One-Pak®	K5585-1		180A/26.4V/25% STICK					

<sup>01</sup>Input amps on 60 Hz input.

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## AC 225™

Proven for Generations, Built to Last a Lifetime

- 40-225 amp AC output control allows for 3/16 in. (4.8 mm) diameter mild steel stick electrodes and 5/32 in. (4.0 mm) diameter of other electrode types
- Easy to operate - Full range 40-225 amp selector switch quickly sets the welding current and ensures a uniform arc each and every time you weld
- Smooth arc - Makes it easy to weld with different electrodes, including mild steel, low hydrogen, stainless steel and hardfacing electrodes



**Processes**

- Stick

**Output**



**Input**



**Literature**

E2.30

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
AC 225™	K1170	230/1/60	225A/25V/20% <sup>01</sup>	50A	40-225 Amps Max. OCV: 79V	24 x 17.25 x 12 (610 x 438 x 305)	109 (49.5)

<sup>01</sup>Except 75 amp setting which can be used continuously for 1 hour.

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## AC/DC 225/125™

An Iconic AC/DC Stick Welder  
That's Built to Last

- 225 amp AC output is enough for 3/16 in. (4.8 mm) diameter general purpose mild steel electrodes
- 125 amp DC output is enough for most 1/8 in. (3.2 mm) electrodes



**Processes**

- Stick

**Output**



**Input**



**Literature**

E2.60

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
AC/DC 225/125™	K1297	230/1/60	AC: 225A/25V/20% DC: 125A/25V/20%	AC: 50A DC: 36A	40-225 Amps AC Max. OCV: 79V 30-125 Amps DC Max. OCV: 73V	24 x 17.25 x 12 (610 x 438 x 305)	124 (56.3)

**⚠️** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Idealarc® 250

Rugged. Reliable. Red.

- Up to 300 amps welding output in AC and 250 amps in DC polarity enables the operation of some 1/4 in. (6.4 mm) electrodes
- Suitable for use with a variety of stick electrode types, including low hydrogen, stainless steel, hardfacing, aluminum and bronze
- Full-range continuous control provides precise command of heat input
- The K1053-9 Idealarc® 250 model features Power Factor Capacitors (PFC)



**Processes**

- Stick
- Gouging

**Output**



**Input**



**Literature**

E2.70

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Idealarc® 250 w/PFC <sup>®</sup>	K1053-9	208/230/460/1/60	AC: 250A/30V/30% DC: 250A/30V/30%	75/68/34A	35-300 Amps AC Max. OCV: 72V	27 x 19 x 21.5 (686 x 483 x 546)	350 (159)
Base Model	K1053-8	230/460/575/1/60		86/43/34A	40-250 Amps DC Max. OCV: 70V		

<sup>®</sup>PFC = Power Factor Capacitors

**⚠️** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Invertec® V276

### Weather-Resistant Stick and TIG Welder

- Outstanding stick performance for both whip and drag techniques, including E6010 and E7018
- Selectable Hot Start technology enables enhanced arc starting on thick and dirty material
- Variable Arc Force - dial in the “soft” or “crisp” arc you want
- Digital meters for accurate control



**Processes**

- Stick
- DC TIG
- Gouging

**Output**



**Input**



**Literature**

E2.162

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
<b>Invertec® V276 Base Model w/Tweco® style receptacles<sup>(1)</sup></b>  or  <b>Base Model w/Twist Mate™ Receptacles</b>	K4868-1	*208/230/460/575/3/60	*275A/31V/35% 250A/30V/60% 200A/28V/100%	*37/19/16 35/33/17/14 27/25/13/11	20-275A	13.6 x 9.0 x 20.25 (345 x 229 x 514)	54.5 (24.7)
		*208/*230/460/575/1/60	*275A/31V/35% 250A/30V/60% 200A/28V/100%	*1*/37/31 65/60/33/27 49/50/26/21			
	K4868-2	220/380/400/415/440/3/50	220A/28.8V/60% 190A/27.6V/100%	26/16/16/13/13 23/14/13/13/12			
		220/380/400/415/440/1/50	220A/28.8V/60% 190A/27.6V/100%	50/33/30/29/29 42/27/26/26/25			

<sup>(1)</sup>Tweco® is a registered trademark of Victor Technologies International, Inc.

\* Rating not applicable for 208VAC three phase or 208/230VAC single phase.

**WARNING:** Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Sprinter™ 180Si

#### Base Model [K5453-1]

- Sprinter™ 180Si Welder
- Insulated Electrode Holder and Cable
- Heavy Duty Work Clamp and Cable
- 230V to 120V Power Cord Adapter

#### Sprinter™ 180Si Case One-Pak® [K5600-1]

- Sprinter™ 180Si Welder
- Insulated Electrode Holder and Cable
- Heavy Duty Work Clamp and Cable
- 230V to 120V Power Cord Adapter
- Case [K5549-1]

#### Sprinter™ 180Si TIG One-Pak® [K5584-1]

- Sprinter™ 180Si Welder
- Insulated Electrode Holder and Cable
- Heavy Duty Work Clamp and Cable
- 230V to 120V Power Cord Adapter
- Caliber™ 17 Series TIG Torch [K5339-17F-1]
- Parts Kit for 17 Series TIG Torch [KP4760-HD]
- Foot Pedal [K4361-1]
- Adjustable Gas Regulator and Hose [3100211]
- TIG Torch Adapter [K1622-7]

#### Sprinter™ 180Si Case and TIG One-Pak® [K5585-1]

- Sprinter™ 180Si Welder
- Insulated Electrode Holder and Cable
- Heavy Duty Work Clamp and Cable
- 230V to 120V Power Cord Adapter
- Caliber™ 17 Series TIG Torch [K5339-17F-1]
- Parts Kit for 17 Series TIG Torch [KP4760-HD]
- Foot Pedal [K4361-1]
- Adjustable Gas Regulator and Hose [3100211]
- TIG Torch Adapter [K1622-7]
- Case [K5549-1]

### AC 225™

#### Base Model [K1170]

- Insulated Electrode Holder and Cable
- Heavy Duty Work Clamp and Cable
- Input Cable with Integrated Plug

### AC/DC 225/125™

#### Base Model [K1297]

- Insulated Electrode Holder and Cable
- Heavy Duty Work Clamp and Cable
- Input Cable with Integrated Plug

### Idealarc® 250

#### PFC [K1053-9]

- Idealarc® 250 Stick Welder with Power Factor Capacitors



Shown:  
Sprinter™ 180Si™



Shown:  
Sprinter™ 180Si Case One-Pak®



Shown:  
AC/DC 225/125™



Shown:  
Idealarc® 250

# Accessories

Product Name	Product No.							
		Base Model	Base Model	Base Model	Base Model w/PFC	Base Model	Base Model w/Tweco	Base Model w/Twist Mate™
		Sprinter™ 180Si	AC 225™	AC/DC 225™	Idealarc® 250		Invertec® V276	
		K5453-1	K1170	K1297	K1053-9	K1053-8	K4868-1	K4868-2
<b>GENERAL</b>								
Wheel Kit	K761		•	•				
Undercarriage	K866				•	•		
Welding Cart with 80 cu ft (2.27 m <sup>3</sup> ) Bottle Capacity	K2275-1	•						
Twist Mate™ Cable Plug for 6-4 Cable	K852-25	•						
Twist Mate™ Cable Plug for 1/0-2/0, 50-70 mm <sup>2</sup> Cable	K852-70							•
Twist Mate™ Cable Plug for 2/0-3/0, 70-95 mm <sup>2</sup> Cable	K852-95							•
Twist Mate™ Receptacle for 1/0-2/0, 50-70 mm <sup>2</sup> Cable	K1759-70							•
Twist Mate™ Receptacle for 2/0-3/0, 70-95 mm <sup>2</sup> Cable	K1759-95							•
Tweco® Style Plug [Male, 1/0 Thru 2/0]	K3416-70						•	
Tweco® Style Plug [Male, 3/0 Thru 4/0]	K3416-90						•	
Tweco® Style Receptacle [Female, 1/0 Thru 2/0]	K3417-70						•	
Tweco® Style Receptacle [Female, 3/0 Thru 4/0]	K3417-90						•	
Arc Tracker®	K3019-1				•	•	•	•
Undercarriage – Hand Moving	K841							
Work Lead Package, 15 ft (4.6 m) 4/0 Cable	K2149-1							
Weld Fume Control System	See Fume Sec.	•	•	•	•	•	•	•
<b>STICK</b>								
Accessory Kit, 150 Amp	K875				•	•	•	•
Accessory Kit, 400 Amp	K704				•	•	•	•
Electrode Holder and Lead #2, Tweco® Plug to EH200, 15 ft. (4.6 m)	K5161-2-15						•	
Work Lead 2/0, Tweco® to GC500, 15 ft (4.6 m)	K4835-2/0-15						•	
Stick Electrode Holder, Work Clamp, Cable & Twist Mate™ Set	K2394-1							•
Remote Output Control, 6-Pin, 25 ft (7.6 m)	K857						•	•
Remote Output Control, 6-Pin, 100 ft (30 m)	K857-1						•	•



## Accessories Cont'd

Product Name	Product No.	Sprinter™ 180Si		AC 225™		AC/DC 225™		Idealarc™ 250		Invertac™ V276	
		Base Model	Base Model	Base Model	Base Model w/PFC	Base Model	Base Model w/Tweco®	Base Model w/Twist Mate™			
		K5453-1	K1170	K1297	K1053-9	K1053-8	K4868-1	K4868-2			
<b>TIG</b>											
Pro-Torch™ TIG Torches	See Guns Sec.									•	•
Deluxe Adjustable Gas Regulator & Hose Kit	K586-1									•	•
TIG-Mate™ 17V TIG Torch Starter Kit (Air-Cooled)	K2265-1									•	•
Twist Mate™ Torch Adapter (with Separate Gas)	K960-1									•	•
Foot Amptrol™	K870									•	•
Hand Amptrol™ (Rotary Track Style)	K963-3									•	•
TIG Module	K930-2										
Docking Kit	K939-1										
Contractor Kit	K938-1										
Control Cable, 9-Pin to 6-Pin and 115V Plug	K936-3										
Control Cable Extension, 45 ft (13.7 m)	K937-45										
TIG Adapter Kit - PTA-9/PTA-17	K1622-1	•									
Caliber™ 17/18/26 Series TIG Torch Expendables Kit - 1/16-1/8 in (1.6 - 3.2 mm)	KP4760-HD	•									
Foot Pedal	K4361-1	•									
Machine Carrying Case Sprinter™ 180Si	K5549-1	•									
Caliber™ 17 Series TIG Torch Ready-Pak® - Flexible, 12.5 ft (3.8m)	K5339-17F-1	•									
8-Pin to 6-Pin Adapter	K5685-1	•									
<b>2-YEAR EXTENDED WARRANTY AVAILABLE</b>	—	•	•	•	•	•	•	•	•	•	•



# BATTERY WELDER

MODEL	OUTPUT			PROCESS				INPUT			FEATURES					
	Mode	Polarity	Current Range (Amps)	Stick	TIG Scratch	Touch Start TIG®	Arc Gouge	Voltage	Phase	Hertz	Portable	Integrated Battery	Hot Start	Arc Force	Chopper Technology™	3-Year Warranty
COMMERCIAL																
Elevate™ SLi	CC	DC	4-145 DC	●		●		120	1	60	●	●	●	●	●	●

KEY: ● Excellent ● Good ● Optional

# ELEVATE™ SLi Battery Powered Welder

## Ultimate Portability with Unrivaled Arc Performance

- Incredibly convenient for remote work, as it doesn't require any input power to weld
- All-In-One Internal Charging System – No external charger or custom power cord is needed
- Rechargeable battery charges off of 120V power
- Outstanding performance on E6010, E7018 and Touch Start TIG®
- Lightweight and portable, 33 lbs. (15 kg)



**Processes**

- Stick
- DC TIG

**Output**



**Input**



**Literature**

E21.10

Product Name	Product Number	Charging Input Power Voltage/Phase / Hertz	Output Range	Rated Output @ 104°F (40 °C)	Electrode Diameters in (mm)	Open Circuit Voltage (OCV)	Dimensions H x W x D in (mm)	Net Wt lb (kg)
<b>Elevate™ SLi Base Model</b>	K4706-1	120/1/60 Max 6A	Stick: 10-145A	Stick: 145A / 25.8V	3/32 (2.4) 1/8 (3.2)	Average: 55V Peak: 72V	14 x 11 x 20 (356 x 292 x 508)	33 (15) Machine only
<b>Rolling Case Package</b>	K5622-1		TIG: 4-145A	TIG: 145A / 15.8V	5/32 (4.0)			
<b>TIG &amp; Rolling Case Package</b>	K5624-1							

**WARNING:** Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories  
**Packages** » Assembly required

### ELEVATE™ SLi Battery Powered Welder

#### Base Model (K4706-1)

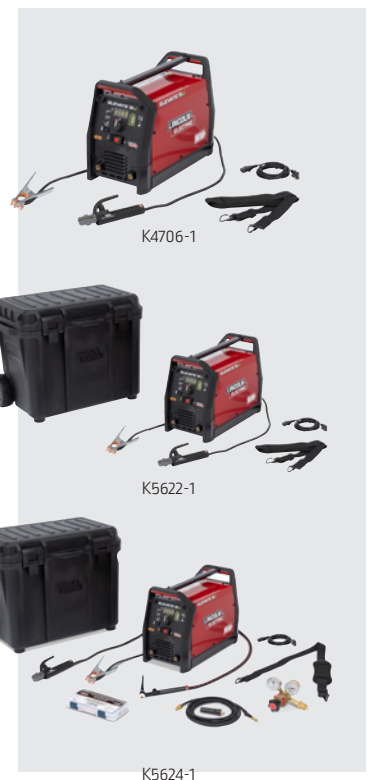
- Elevate™ SLi Battery Powered Welder 200A Industrial Electrode Holder, Cable and Twist Mate™ Plug (K5612-1)
- Work Cable and Clamp with Twist Mate™ Plug (K5482-1)
- Fully Adjustable Shoulder Strap (KP5656-1)
- 120V Input Cord, 8 ft. (2.4m) (KP5655-1)

#### Base Model with Rolling Case Package (K5622-1)

- Everything listed for base model
- Rolling Carrying Case (K5548-1)

#### Base Model with TIG & Rolling Case Package (K5624-1)

- Everything listed for base model
- Rolling Carrying Case (K5548-1)
- Caliber® 17 Series TIG Torch - Flex/Valve 12.5 ft. (3.8 m) (K4841-17FV-1)
- Small Twist Mate™ Torch Adapter (K960-2)
- Caliber® 17/18/26 Series TIG Torch Expendables Kit - 1/16 - 1/8 in. (1.59 - 3.18 mm) (KP4760-HD)
- Single-Stage Flowgauge Regulator Ar5-30-580 (3000369)



**WARNING:** Cancer and Reproductive Harm -www.P65Warnings.ca.gov





# TIG WELDERS

MODEL	OUTPUT			PROCESS			INPUT			FEATURES					
	Mode	Polarity	TIG Current Range (Amps)	Stick	Touch Start TIG	TIG High-Frequency Start	Phase	Hertz	Auto Sensing	Micro-Start™ II	Auto-Balance™	Adjustable AC Frequency	Ready-Pak®	TIG Pulse	Adjustable AC Balance
<b>CONVENTIONAL TECHNOLOGY</b>															
Precision TIG® 225	CC	AC/DC	5-230	●		●	1	50/60		●	●		●	●	●
Precision TIG® 275	CC	AC/DC	2-340	●	●	●	1	50/60		●	●		●	● <sup>(3)</sup>	●
Precision TIG® 375	CC	AC/DC	2-420	●	●	●	1	50/60		●	●		●	●	●
<b>INVERTER TECHNOLOGY</b>															
Invertec® V155-S	CC	DC	5-155	●	●		1	50/60	●				●		
Invertec® V160-T	CC	DC	5-160	●	●	●	1	50/60	●					●	
Square Wave® TIG 200	CC	AC/DC	10-200 <sup>(1)</sup>	●		●	1	50/60	●			●		●	●
Aspect® 230	CC	AC/DC	2-230	●	●	●	1/3	50/60	●		●	●		●	●
Aspect® 375	CC	AC/DC	2-375 <sup>(2)</sup>	●	●	●	1/3	50/60	●		●	●	●	●	●

KEY: ● Excellent ● Good ● Optional

<sup>(1)</sup> 230 Volts

<sup>(2)</sup> Three-phase

<sup>(3)</sup> Pulse available with Advanced Pulse Control Panel

## Invertec® V155-S Ready-Pak®

### Best-in-Class TIG and Stick Performance

- Touch Start TIG® mode provides TIG welding capabilities in a stick machine
- Two stick welding modes provide optimal welding performance for Soft (E7018) and Crisp (E6011) electrode applications
- Auto-Adaptive Arc Force minimizes spatter and electrode sticking in the puddle without compromising arc stability when stick welding
- Automatically connects to 120V or 230V service



**Processes**

- Stick
- DC TIG

**Output**



**Input**



**Literature**

E2.141

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output <sup>(1)</sup>	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Invertec® V155-S	K2606-1	120/1/60	Stick: 75A/23.0V/100% Stick: 100A/24.0V/30% TIG: 105A/14.2V/100% TIG: 130A/15.2V/30%	24.0A 33.8A 21.5A 28.8A	5-155 Amps DC Max. OCV: 75V	11.3 x 6.2 x 15.4 (288 x 158 x 392) (machine only)	14.7 (6.7) (machine only)
		230/1/50/60	Stick: 100A/24.0V/100% Stick: 145A/25.8V/30% TIG: 100A/14.0V/100% TIG: 155A/16.2V/30%	21.0A 31.0A 14.1A 22.8A			

<sup>(1)</sup>Input amps on 60 Hz input.

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Invertec® V160-T

### High Performance TIG Welding in a Compact Design

- High-frequency TIG starting makes it easy to establish an arc under a variety of conditions
- Built-in pulsing functions help minimize heat input on thin materials, and provide for a faster freezing weld puddle for uphill welding on curved surfaces such as process piping
- Ideally suited for maintenance operations and other external field operations
- Automatically connects to 120V or 230V service



**Processes**

- Stick
- DC TIG

**Output**



**Input**



**Literature**

E3.105

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Invertec® V160-T	K1845-1	120/1/50/60 20A Branch Circuit	TIG: 90A/14.6V/100% Stick: 60A/22.4V/100%	20A	5-160 Amps DC Max. OCV: 48V	13 x 8 x 17 (330 x 203 x 432)	24 (10.8)
		120/1/50/60 30A Branch Circuit	TIG: 110A/14.4V/100% Stick: 80A/23.2V/100%	25A			
		230/1/50/60 30A Branch Circuit	TIG: 130A/15.2V/100% Stick: 130A/25.2V/100%	20A			

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Square Wave® TIG 200

### 200 Amp AC/DC TIG and Stick Welding Power Source

- Simple user interface makes machine setup easy
- Available features like pulse mode help make you a better TIG welder, faster
- High frequency starting for aluminum welding
- Built-in settings for more cleaning action or wider or tighter arc configurations for aluminum welding
- TIG welding for critical welds where precision and bead appearance are important
- Bonus of stick welding capability for outdoor work or thicker materials
- Plugs into a standard 120V or 230V circuit
- Portable and convenient to use – only 46 lb. [21 kg]



**Processes**

- DC Stick
- AC/DC Pulsed TIG

**Output**



**Input**



**Literature**

E3.38

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Square Wave® TIG 200	K5126-1	120/1/50/60	TIG: 125A/25% <sup>(1)</sup> TIG: 100A/40% TIG: 85A/60% Stick: 75A/20% Stick: 65A/60%	22A 17A 14A 19A 16A	TIG: 10-125A Stick: 10-90A	14 x 10.75 x 19.25 (358 x 282 x 502)	46 (21)
		230/1/50/60	TIG: 200A/25% TIG: 160A/40% TIG: 130A/60% Stick: 170A/20% Stick: 100A/60%	22A 17A 13A 25A 13A	TIG: 10-200A Stick: 10-170A		

<sup>(1)</sup>120V AC TIG 110A/25%



## Precision TIG® 225

### Versatile TIG and Stick Welder

- Easy-to-use operator interface – select mode, polarity and weld
- AC Auto-Balance™ automatically adjusts for the optimal mix of cleaning and penetration when welding aluminum
- Take full control: Adjust cleaning action or penetration on aluminum. Enable the TIG pulser to minimize distortion from excessive heat input
- Offers outstanding stick welding capabilities
- Experience enhanced starting, optimal arc stability, and precise crater fills with Micro-Start™ II technology



**Processes**

- Stick
- TIG

**Output**



**Input**



**Literature**

E3.37

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
<b>Precision TIG® 225 Base Model</b>	K2533-2	460/575/1/60	130A/40% 110A/60%	40% Duty Cycle: 28/22 60% Duty Cycle: 23/19	5-230 Amps AC 5-230 Amps DC Max. OCV: 75V	20.7 x 14.5 x 25.6 (526 x 368 x 650)	192 (87)
<b>Ready-Pak®</b>	K2535-1	208/230/1/60		40% Duty Cycle: 61/55 60% Duty Cycle: 52/47		20.7 x 14.5 x 25.6 (526 x 368 x 650)	212 (96)
<b>Ready-Pak® w/Cart</b>	K2535-2					31.2 x 19.8 x 38 (794 x 503 x 966)	258 (117)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Aspect® 230

### The Consistency You Want, the Performance You Need

- Exceptional arc response and stability
- Maximize productivity and spend more time welding with a rated 35% duty cycle at 230 amps
- Advanced aluminum controls, AC Auto Balance™ technology, pulse, frequency, and additional waveforms
- Portable, lightweight and easy to transport
- IP23 rated for harsh environments



**Processes**

- Stick
- TIG

**Output**



**Input**



**Literature**

E3.118

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
<b>Aspect® 230 AC/DC Base Model</b>	K4340-1	120/1/50/60 or 208/230/400/460/ 1/3/50/60	<b>120/1/50/60:</b> 110A/100%/14.4V 125A/60%/15V 150A/35%/16V <b>208/230/400/460/1/3/50/60:</b> 160A/100%/16.4V 190A/60%/17.6V 230A/35%/19.2V	<b>120/208/230/400/460/ 1/50/60:</b> 34/33/31/18/16A	<b>120V:</b> 2-150A TIG  <b>208/230/400/ 460V:</b> 2-230A	16.5 x 9.7 x 19.9 (419 x 246 x 506)  46.5 x 22 x 24 (1118.1 x 558.8 x 609.6)	50.5 (22.9)  212 (96.2)
<b>Air-Cooled One-Pak®</b>	K4341-1			<b>208/230/400/460/ 3/50/60:</b> 19/17/10/9A		16.5 x 9.7 x 19.9 (419 x 246 x 506)	79 (35.8)
<b>Aspect® 230 DC Base Model</b>	K4346-1	120/1/50/60 or 208/230/400/460/ 1/3/50/60	<b>120/1/50/60:</b> 110A/100%/14.4V 125A/60%/15V 150A/35%/16V <b>208/230/400/460/1/3/50/60:</b> 160A/100%/16.4V 190A/60%/17.6V 230A/35%/19.2V	<b>120/208/230/400/460/ 1/50/60:</b> 31/33/31/18/16A	<b>120V:</b> 2-150A TIG	16.5 x 9.7 x 19.9 (419 x 246 x 506)	46.5 (21.1)
<b>Air-Cooled One-Pak®</b>	K4347-1			<b>208/230/400/460/ 3/50/60:</b> 19/17/10/9A	<b>208/230/400/ 460V:</b> 2-230A		75 (34.02)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## Precision TIG® 275

### A TIG Welding Workhorse

- AC Auto Balance™ automatically adjusts for the optimal mix of cleaning and penetration when welding aluminum. Or, bypass AC Auto Balance™ and adjust manually for full control
- Delivers the widest output range in its class from 2-340 amps
- Upgrade with the optional Advanced Pulse Control panel to enable better control over heat input, resulting in less distortion on thin metals
- Experience enhanced starting, optimal arc stability, and precise crater fills with Micro-Start™ II technology



**Processes**

- Stick
- TIG

**Output**



**Input**



**Literature**

E3.51

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Precision TIG® 275 Base Model	K2619-1	208/230/460/1/60	275A/31V/40% 225A/60%	40% Duty Cycle: 47/38A 60% Duty Cycle: 39/31	DC: 2-340A AC: 2-340A Max. OCV: 75V	31 x 22 x 26 (787 x 559 x 660)	397 (180)
	K2619-2	460/575/1/60					
Ready-Pak® w/Cart Pkg.	K2618-1	208/230/460/1/60		40% Duty Cycle: 104/94/47A 60% Duty Cycle: 86/78/39		49.7 x 28 x 41 (1262 x 711 x 1041)	641 (291)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Precision TIG® 375

### Precision Welding, Maximum Range TIG Welder

- Tackle either end of the material thickness spectrum with the widest operating range in its class from 2 to 420 amps
- AC Auto Balance™ automatically adjusts for the optimal mix of cleaning and penetration when welding aluminum. Or, bypass AC Auto Balance™ and adjust manually for full control
- Advanced Pulse Control panel enables better control over heat input, resulting in less distortion on thin metals
- Experience enhanced starting, optimal arc stability, and precise crater fills with Micro-Start™ II technology



**Processes**

- Stick
- TIG

**Output**



**Input**



**Literature**

E3.51

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Precision TIG® 375 Base Model	K2622-1	208/230/460/1/60	375A/40% 350A/60%	40% Duty Cycle w/PFC: 102/51/41A 60% Duty Cycle: 92/46/37	DC: 2-420A AC: 2-420A Max. OCV: 80V	31 x 22 x 26 (787 x 559 x 660)	507 (230)
	K2622-2	230/460/575/1/60					
Ready-Pak® w/Cart Pkg.	K2624-1	208/230/460/1/60		40% Duty Cycle w/PFC: 112/102/51A 60% Duty Cycle: 102/92/46		49.7 x 28 x 41 (1262 x 711 x 1041)	751 (341)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Aspect® 375 AC/DC

### Advanced TIG Technology Made Simple

- Effortless arc control for the smoothest welds
- AC Auto Balance™ makes it simple by automatically providing the optimal mix of cleaning and penetration on aluminum
- Activate Intellistart™ to provide for soft starts on thin materials for minimal distortion and hotter starts on thick materials
- Customization when you need it: Manage AC frequency, balance and offset to modify arc profile, cleaning action and penetration



**Processes**

- AC/DC TIG
- Stick

**Output**



**Input**



**Literature**

E3.117

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Aspect® 375 Base Model	K3945-1	1-Phase: 200-600/50/60	3-Phase: GTAW: 350A/24/30% GTAW: 250A/20/100% SMAW: 350A/34/30% SMAW: 250A/30/100%	3-Phase: 30% DC GTAW 32/29/17/15/12 100% DC GTAW 19/17/10/9/7 30% DC SMAW 46/41/24/21/17 100% DC SMAW 29/26/15/13/10	3-Phase: 2-375A	47 x 23 x 45 (1194 x 584 x 1143)	290 (132)
		3-Phase: 200-600/50/60	1-Phase: GTAW: 240A/19.6/30% GTAW: 180A/17.2/100% SMAW: 240A/29.6/30% SMAW: 180A/27.2/100%	1-Phase: 30% DC GTAW 32/27/17/15/12 100% DC GTAW 21/19/11/9/7 30% DC SMAW 47/43/25/21/17 100% DC SMAW 33/30/17/15/12	1-Phase: 2-250A		
Ready-Pak®	K3946-2					21 x 11.8 x 25.5 (533 x 300 x 648)	105 (47.6)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Invertec® V155-S

#### TIG Ready-Pak® (K2606-1)

- Invertec® V155-S (K2605-1)
- Stick electrode holder & cable, 10 ft. (3.0 m) with Twist Mate™ plug
- Work clamp & cable, 10 ft. (3.0 m) with Twist Mate™ plug
- Fully adjustable shoulder strap
- 120/230V input cord 6.6 ft. (2 m) with a 120V 15 Amp plug
- Extra 120V 20 Amp plug
- Gas Regulator & Hose (3000369)
- PTA-17V TIG torch w/Ultra-Flex™ cable and Twist Mate™ adapter [K1782-13]
- PTA-17 TIG torch parts (KP508)
- Easy-Store/Easy-Carry Suitcase

### Invertec® V160-T

#### Base Model (K1845-1)

- 115V Input cord (10 ft./3.0 m) and plug (NEMA 5-15P)
- 20 Amp Plug (NEMA 5-20P)
- Twist Mate™ Torch Adapter for PTA-9 or -17 one-piece torch
- Fully adjustable shoulder strap
- Work Clamp & Cable, 10 ft., (3.0 m)

### Square Wave® TIG 200

#### Base Model (K5126-1)

- Square Wave® TIG 200 TIG Welder
- PTA-17 TIG Torch Ready-Pak® 12.5 ft. (3.8 m) 1 pc [K1782-14]
- Foot Amptrol™ 25 ft. (7.6m) (6 pin) K870
- Regulator/Flowmeter with 10 ft. (3.05 m) Gas Hose
- Stick Electrode Holder
- Ground Clamp
- 120/230V Input Cords
- TIG Torch Parts

### Precision TIG® 225

#### Base Model (K2533-2)

- Precision TIG® 225 Welder
- Torch Parts Storage Compartment
- Torch Hanger
- 10 ft. (3.0 m) Work Cable & Clamp
- Removable Lift Eye
- 9 ft. (2.7 m) Input Power Cord with NEMA 6-50P Plug
- NEMA 6-50R Receptacle
- TIG Procedure Guide
- GTAW (TIG) Handbook

#### Ready-Pak® (K2535-1)

- Precision TIG® 225 Welder with Torch Parts Storage Compartment
- Torch Hanger
- Work Cable & Clamp 10 ft. (3.0 m)
- Removable Lift Eye
- Input Power Cord 9 ft. (2.7 m) with NEMA 6-50P Plug
- NEMA 6-50R Receptacle
- TIG Procedure Guide
- GTAW (TIG) Handbook
- PTA-17 TIG Torch 12.5 ft. (3.81 m) [K1782-1]
- 12 ft. (3.6 m) Ultra-Flex™ Cable
- Twist Mate™ Adapter [K1622-1]
- 2% Ceriated Tungsten 3/32 in (2.4 mm) [KP4722-332]
- Collet [KP4750-332]
- Collet Body [KP4752-332]
- Alumina Nozzle 7/16 in (11.1 mm) [KP4756-7]
- Long Back Cap [KP4746-L]
- Gas Regulator with Hose
- K870 Foot Amptrol™ with 25 ft. (7.6 m) Cable Assembly

#### Ready-Pak w/Cart Package (K2535-2)

- Everything Listed Above (K2535-1)
- Understorage Cart K2348-1



Shown:  
Invertec® V155-S  
Ready-Pak®



Shown:  
Precision TIG® 225  
Ready-Pak® w/Cart



Shown:  
Aspect® 230 AC/DC  
Water-Cooled One-Pak®

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Aspect® 230

#### AC/DC Base Model [K4340-1]

- Aspect® 230 AC/DC TIG Welder
- 10 ft. (3 m) Input Power Cord

#### AC/DC Water-Cooled One-Pak® [K4342-1]

- Aspect® 230 AC/DC
- 10 ft. (3 m) Input Power Cord
- Two Wheeled Cart [K4441-1]
- Cool Arc® 22 [K3475-1]
- Foot Amptrol™ - 25 ft. (7.6m) [6 pin] [K870]
- Water-Cooled TIG Torch PTW-20 250A, 25 ft. (7.6 m)
- Gas Lens Kit for PTW-20 [KP2414-1]
- Low Conductivity Coolant [2] [KP4159-1]
- Zippered Cable Cover, 25 ft. (7.6 m) [K918-4]
- Gas Regulator [3100211]
- Ground Clamp w/15 ft. (4.6 m) Cable [K1803-3]
- Torch Twist Mate™ Connector [K1622-5]

#### AC/DC Air-Cooled One-Pak® [K4341-1]

- Aspect® 230 AC/DC
- 10 ft. (3 m) Input Power Cord
- Foot Pedal [K870]
- Expendables Kit for PTW-18 and PTA-26 [KP509]
- Air-Cooled TIG Torch 200A PTA-26 Flex Head™, 25 ft. (7.6 m) [K1783-10]
- Gas Regulator [3100211]
- Weld Cable Package - Work Lead - TM & GC500 Ground Clamp [2/0, 350A, 60%] - 15 ft. (4.6 m) [K1803-3]
- Torch Twist Mate™ Connector ASM [K1622-3]

#### DC Base Model [K4346-1]

- Aspect® 230 DC TIG Welder
- 10 ft. (3 m) Input Power Cord

#### DC Air-Cooled One-Pak® [K4347-1]

- Aspect® 230 DC [K4346-1]
- 10 ft. (3 m) Input Power Cord
- Foot Amptrol™ - 25 ft. (7.6m) [6 pin] [K870]
- Expendables Kit for PTW-18 and PTA-26 [KP509]
- Air Cooled TIG Torch 200A PTA-26 Flex Head™, 25 ft. (7.6 m)
- Weld Cable Package - Work Lead - TM & GC500 Ground Clamp [2/0, 350A, 60%] - 15 ft. (4.6 m) [K1803-3]
- Gas Regulator [3100211]
- Torch Twist Mate™ Connector ASM [K1622-3]

### Precision TIG® 275

#### Ready-Pak® w/Cart [K2618-1]

- Precision TIG® 275 [K2619-1]
- Under-Cooler Cart [K1828-1]
- Foot Amptrol™ with 25 ft. Cable [K870]
- Harris® Gas Flowmeter Regulator & 10 ft. (3.0 m) Hose Kit [3100211]
- PTW-20 Pro-Torch™ TIG Torch with 25 ft. (7.6 m) Cable [K1784-4]
- Zippered Torch Cover
- TIG Torch Parts Kit [KP510]
- Water Hoses [2 included] [S19558-4]
- 15 ft. (4.5 m) 2/0 Work Cable/Clamp [K2150-1]
- PTA-9 or -17 Torch Adapter [S20403]

### Precision TIG® 375

#### Ready-Pak® w/Cart [K2624-1]

- Precision TIG® 375 [K2622-1]
- Under-Cooler Cart [K1828-1]
- Foot Amptrol™ with 25 ft. (7.6 m) Cable [K870]
- Harris® Gas Flowmeter Regulator & 10 ft. (3.0 m) Hose Kit [3100211]
- PTW-20 PRO-Torch™ TIG Torch [K1784-4]
- Zippered Torch Cover with 25 ft. (7.6 m) Cable
- TIG Torch Parts Kit [KP510]
- Water Hose [2 included] [S19558-4]
- 15 ft. (4.5 m) 2/0 Work Cable/Clamp [K2150-1]
- Adapter for optional PTA-9 or -17 Torch, 3/8 in. (9.5 mm)

### Aspect® 375

#### Ready-Pak® [K3946-2]

- Aspect® 375® [K3945-1]
- Input Power Cord 10 ft. (3 m)
- CoolArc® 47 Water Cooling System [K3950-1]
- TIG Welding Cart [K3949-1]
- K4843-18F-2 Caliber® 18 Series TIG Torch - Flexible 25 ft. (7.6 m)
- KP4760-HD Caliber® 17/18/26 Series TIG Torch Expendables Kit 1/16 - 1/8 in. (1.6 - 3.2 mm)
- Twist Mate™ Torch Cable Adaptor [K1622-5]
- TIG Torch Parts Kit [KP510]
- Foot Amptrol™ with 25 ft. (7.6m) Cable Assembly [K870]
- 15 ft. (4.5m) Work Lead Assembly [K1803-3]
- Gas Regulator with 10 ft. (3 m) Hose Kit [3100211]
- Low Conductivity Coolant [KP4159-1]
- Quick Connect Fitting [9ST14557-27]



Shown:  
Precision TIG® 275  
Ready-Pak® w/Cart



Shown:  
Precision TIG® 375  
Ready-Pak® w/Cart



Shown:  
Aspect® 375  
Ready-Pak® Package



## Accessories

Product Name	Product No.	Invertec® V155-S		Invertec® V160-T		Square Wave® TIG 200		Precision TIG® 225		Precision TIG® 275		Aspect® 230		Precision TIG® 375		Aspect® 375	
		Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model
		K2606-1	K1845-1	K5126-1	K2533-1	K2619-1	K2619-2	K4340-1	K2622-1	K2622-2	K3945-1						
<b>GENERAL</b>																	
Undercarriage	K1869-1					•	•			•	•						
Understorage Cart	K2348-1				•												
Dual Cylinder Cart	K2617-1				•												
Inverter Cart	K3949-1																•
Two-Wheeled Cart	K4441-1							•									
Welding Cart (80 cu ft bottle capacity)	K2275-1	•	•														
Utility Cart (150 cu ft bottle capacity)	K520		•	•													
Small Canvas Cover	K2377-1		•	•													
Medium Canvas Cover	K2378-1				•												
Advanced Control Panel	K2621-1					•	•										
Work Clamp & Cable Assembly	K2150-1					•	•				•	•					
Twist Mate™ Plug for 6-4 Cable	K852-25	•															
Weld Fume Control System	See Fume Sec.	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>STICK</b>																	
Stick Electrode Holder & Cable	K2374-1				•												
Stick Electrode Holder, Work Clamp, Cable & Twist Mate™ Set	K2394-1		•	•													
Stick Welding Accessory Kit, 150 Amp	K875					•	•										
Stick Welding Accessory Kit, 400 Amp	K704					•	•				•	•					
Remote Output Control, 25 ft (7.6 m)	K857					•	•				•	•					
Remote Output Control, 100 ft (3.0 m)	K857-1					•	•				•	•					
<b>TIG</b>																	
Wireless Foot Pedal & Receiver	K4217-1				•	•	•	•	•	•	•	•	•	•	•	•	•
Replacement Wireless Pedal Transmitter	K4218-1				•	•	•	•	•	•	•	•	•	•	•	•	•
Replacement Wireless Receiver	K4219-1				•	•	•	•	•	•	•	•	•	•	•	•	•
Hand Amptrol™ (Rotary Track Style)	K963-3		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Foot Amptrol™ with 25 ft (7.6 m) cable assembly	K870		•	•	•	•	•				•	•					
Arc Start Switch	K814		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PTA-9, PTW-20, 20-250-25R and 20H-320-25R Gas Lens Parts Kit	KP2414-1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PTA-9 -17 One Cable Torch Adapter	K2166-3					•	•				•	•					
PTA-9, -17, -26 Two Cable Torch Adapter	K2166-2					•	•				•	•					
PTA-26 One Cable Torch Adapter	K2166-1					•	•				•	•					
PTA-9 PRO-Torch™ TIG Torch, 12.5 ft (3.8 m), 1 pc	K1781-1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PTA-9F Flex Head w/ Ultra-Flex™ Cable TIG Torch Package, 12.5 ft (3.8 m), 1 pc	K1781-9	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

• Optional

# Accessories

Product Name	Product No.																
		Base Model	Invertec® V155-S	Base Model	Invertec® V160-T	Base Model	Square Wave TIG 200	Base Model	Precision TIG® 225	Base Model	Precision TIG® 275	Base Model	Aspect® 230	Base Model	Precision TIG® 375	Base Model	Aspect® 375
<b>TIG, CON'T.</b>																	
PTA-17 PRO-Torch™ TIG Torch, 12.5 ft (3.8 m), 1 pc	K1782-1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PTA-17 PRO-Torch™ TIG Torch, 25 ft (7.6 m), 1 pc	K1782-3	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PTA-17 PRO-Torch™ TIG Torch, 25 ft (7.6 m), 2 pc	K1782-4								•	•			•	•			
PTA-17 PRO-Torch™ TIG Torch, 150 amp, 12.5 ft (3.8 m), 1 pc	K1782-12	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PTA-17FV Flex Head Gas Valve PRO-Torch™ TIG Torch w/Ultra-Flex™ Cable, 12.5 ft (3.8 m), 1 pc	K1782-13	•															
PTA-17F TIG Torch Ready-Pak® (12.5 ft 1 pc) (3.8 m)	K1782-14	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PTA-17F PRO-Torch™ TIG Torch, 150 amp air-cooled w/Flex Head and Ultra-Flex™ Cable, 12.5 ft (3.8 m), 1 pc	K1782-15	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PTA-26 PRO-Torch™ TIG Torch, 12.5 ft (3.8 m), 1 pc	K1783-1			•	•	•	•	•	•	•	•	•	•	•	•	•	•
PTA-26 200 Amp Air-Cooled TIG torch w/1 pc 25 ft (7.6 m) cable	K1783-3			•	•	•	•	•	•	•	•	•	•	•	•	•	•
PTA-26 200 Amp Air-Cooled TIG torch w/2 pc 25 ft (7.6 m) cable	K1783-4								•	•			•	•			
PTW-18 350 Amp Water-Cooled TIG torch with 12.5 ft (3.8 m) cable assembly	K1784-1							•	•	•			•	•	•		
PTW-18 350 Amp Water-Cooled TIG torch w/3 pc. 25 ft (7.6 m) cable	K1784-2							•	•	•			•	•	•		
PTW-20 PRO-Torch™ TIG Torch, 12.5 ft (3.8 m), 3 pc braided	K1784-3		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
PTW-20 PRO-Torch™ TIG Torch, 25 ft (7.6 m), 3 pc braided	K1784-4		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Parts Kit For PTA-9 Series Torches	KP507	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Parts Kit For PTA-17 Series Torches	KP508	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Parts Kit For PTW-18 and PTA-26 Series Torches	KP509		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Parts Kit for 20-250-25R, 20H-320-25R, and PTW-20 TIG Torches	KP510		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
TIG-Mate™ 17 TIG Torch Starter Kit (air-cooled)	K2266-1		•	•	•												
TIG-Mate™ 20 TIG Torch Starter Kit (water-cooled)	K2267-1		•	•	•												
Harris® Ar/CO <sub>2</sub> Flowmeter/Regulator with 10 ft (3.0 m) Gas Hose Kit	3100211		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Zippered Torch Cable Cover, 10 ft (3.0 m)	K918-1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Zippered Torch Cable Cover, 22 ft (6.7 m)	K918-2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Zippered Torch Cable Cover, Heavy Duty, 22 ft (6.7 m)	K918-4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Small Twist Mate™ TIG Torch Adapter (w/separate gas)	K960-2	•															
Twist Mate™ Torch Adapter, PTA-9 and -17	K1622-1		•	•	•							•				•	
Twist Mate™ Torch Adapter, PTA-26	K1622-3		•	•	•							•				•	
Twist Mate™ Torch Adapter, Water-Cooled (for use with Cool Arc® 40)	K1622-4		•	•	•												
Twist Mate™ Torch Adapter, Water-Cooled (for use with Cool Arc® 40 and Cool Arc® 22)	K1622-5											•				•	

• Optional

# Accessories

Product Name	Product No.																
		Base Model	Inverterc® V155-S	Base Model	Inverterc® V160-T	Base Model	Square Wave® TIG 200	Base Model	Precision TIG® 225	Base Model	Precision TIG® 275	Base Model	Aspect® 230	Base Model	Precision TIG® 375	Base Model	Aspect® 375
<b>TIG, CON'T.</b>																	
Cool Arc® 22 Water Cooler	K3475-1												•				
Cool Arc® 40 Water Cooler 115/1/50/60	K1813-1		•	•	•												
Cool Arc® 47 Water Cooling System	K3950-1																•
Under-Cooler Cart Water Cooler	K1828-1							•	•				•	•			
Water Hose Kit, 25 ft (7.6 m) (5/8 LH CGA to 5/8 LH CGA)	K1859-2		•	•	•	•	•						•	•	•		
Magnum® PRO-Torch™ TIG Torches	See 12.150			•													
Cut Length Consumables	See C1.10	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
2-YEAR EXTENDED WARRANTY AVAILABLE	—	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•





# MIG WIRE FEEDER/WELDERS

MODEL	OUTPUT				PROCESS					INPUT		FEATURES						
	Current Range (Amps)	Wire Feed Speed Range ipm (m/mm)	Solid Wire Size Range in (mm)	Cored Wire Size Range in (mm)	MIG	MIG Pulsed	Flux-Cored	Stick	Touch Start TIG*	Phase	Hertz	Portable	Consumable Storage	Digital Display	Synergic Control	Spool Gun Capable	Push-Pull Capable	Chopper Technology*
<b>120 VOLT INPUT</b>																		
SP-140T*	30-140	50-700	0.025-0.035 [0.6-0.9]	0.030-0.035 [0.8-0.9]	●	●	●			1	60	●						
POWER MIG® 140 MP	30-140	40-500 [1.3-12.7]	0.025-0.035 [0.6-0.9]	0.030-0.035 [0.8-0.9]	●	●	●	●		1	60	●				●		
<b>120/230 VOLT INPUT</b>																		
POWER MIG® 211i	20-211	50-500	0.025-0.045 [0.6-1.1]	0.030-0.045 [0.8-1.1]	●	●				1	60	●				●		
POWER MIG® 215 MPi™	20-220	50-500	0.025-0.045 [0.6-1.1]	0.030-0.045 [0.8-1.1]	●	●	●	●		1	60	●		●		●		
<b>208-230 VOLT INPUT</b>																		
POWER MIG® 256	30-300	50-700 [1.3-17.7]	0.023-0.045 [0.6-1.1]	0.030-0.045 [0.8-1.1]	●	●	●			1	60		●	●		●		
POWER MIG® 262	50-300	50-700	0.023-0.045 [0.6-1.1]	0.035-0.045 [0.9-1.2]	●	●	●			1	60		●		●	●	●	●
POWER MIG® 262P	5-300	50-700	0.023-0.045 [0.6-1.1]	0.035-0.045 [0.9-1.2]	●	●	●			1	60		●	●	●	●	●	●
POWER MIG® 262MP	5-300	50-700	0.023-0.045 3/34 [1.2]	0.035-0.045 [0.9-1.2]	●	●	●	●	●	1	60		●	●	●	●	●	●
POWER MIG® 360MP*	5-360	50-700 [1.3-17.7]	0.023-0.045 [0.6-1.1]	0.030-0.045 [0.8-1.1]	●	●	●	●	●	1	50/ 60		●	●	●	●	●	●

KEY: ● Excellent ● Good ● Optional

## SP-140T<sup>®</sup>

### Wire Feeder Welder

- Forgiving arc and simple tapped voltage control make dialing in your application easy. A smooth arc starts with minimal spatter. Wide 30-140 amp welding output range
- A great welder for project and repair welding at home, on the farm or in an autobody shop
- Precision full adjustment drive system reduces the chance of wire tangling and crushing
- Brass-to-brass gun connections for enhanced conductivity



**Processes**

- MIG
- Flux-Cored

**Output**



**Input**



**Literature**

E7.62.1

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Wire Feed Speed ipm (m/min)	H x W x D in (mm)	Net Wt lb (kg)
SP-140T <sup>®</sup>	K5261-1	120/1/60	90A/19.5V/20%	20A	30-140 Amps DC	50-500 ipm WFS (1.3-12.7 m/min) Max. OCV: 33	13.65 x 10.38 x 17.9 (347 x 264 x 455)	49.5 (22.5)

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

## POWER MIG<sup>®</sup> 140 MP<sup>®</sup>

### MIG Welding Made Simple

- Multi-process unit capable of MIG, DC TIG, and Stick welding
- Conveniently plugs into household 120V power
- Lightweight and portable at just 34.5 lbs. (15.6 kg)



**Processes**

- MIG
- Stick
- DC TIG
- Flux-Cored

**Output**



**Input**



**Literature**

E7.30

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Wire Feed Speed ipm (m/min)	H x W x D in (mm)	Net Wt lb (kg)
POWER MIG <sup>®</sup> 140 MP <sup>®</sup>	K4498-1	120/1/60	95A/18.75V/60% MIG	20A	30-140A MIG 10-120A DC TIG 25-90A Stick	40-500 (1.3-17.7)	13.6 x 8.9 x 18.1 (345 x 224 x 460)	34.5 (15.6)
TIG One-Pak <sup>®</sup>	K4499-1		115A/14.6V/60% TIG 80A/23.2V/60% Stick					

WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

## POWER MIG® 211i

### Solid, Dependable Welding

- Simple user interface featuring a seven-segment display using basic knob controls
- Dual input voltage allows use of 120V and 230V
- At only 41 lbs. (18.6 kg), it's lightweight and portable
- The sleek, ergonomic case offers multiple lift points for ease of mobility



**Processes**

- MIG
- Flux-Cored

**Output**



**Input**



**Literature**

E7.71

Product Name	Product Number	Input Power	Rated Output Current/Voltage/ Duty Cycle	Effective Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
POWER MIG® 211i	K6080-1	120/230/1/60	175A/22.75V/30%	120VAC: 15 AC  230VAC: 15 AC	120V: 20-140 Amps DC  230V: 20-211 Amps DC  Max OCV: 76V	15.5 x 10.75 x 22 (394 x 273 x 558)	41 (18.6)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## POWER MIG® 215 MPi™

### Simple. Versatile. Reliable.

- Welds MIG, Flux-Cored, Stick and DC TIG
- At only 48 lbs. (21.77 kg), it's lightweight and portable
- Ready.Set.Weld® technology recommends optimal welding parameters for easy setup
- ArcFX® technology provides visual feedback on how settings will affect the weld outcome
- Built-in TIG solenoid and foot pedal adapter



**Processes**

- MIG
- Flux-Cored
- DC Stick
- DC TIG

**Output**



**Input**



**Literature**

E7.70

Product Name	Product Number	Input Power	Rated Output Current/Voltage/ Duty Cycle	Input Current @ Rated Output	Output Range	Wire Feed Speed Range	H x W x D in (mm)	Net Wt lb (kg)
POWER MIG® 215 MPi	K4876-1	120/230/1/60	215A/24.8V/30%	120VAC: eff 15A max 22A	120V: 20-140 Amps DC	50-500 ipm (1.3-12.7 m/min)	15.08 x 10.88 x 23.14 (383.03 x 276.35 x 587.75)	48 (21.8)
Aluminum One-Pak®	K4877-1				230V: 20-220 Amps DC			
TIG One-Pak®	K4878 -1			230VAC: eff 15.9A max 29A	Max OCV: 56V			

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## POWER MIG® 256

The Professional's Choice™

- Ideal for light industrial and maintenance work
- Weld up to 3/4 in. (19.1 mm) mild steel with self-shield flux-cored wire
- Digital meters help dial in exact settings and timer functions deliver additional weld control
- Spool gun ready for our premium Magnum® PRO 250LX



**Processes**

- MIG
- Flux-Cored

**Output**



**Input**



**Literature**

E7.55

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Wire Feed Speed ipm (m/min)	H x W x D in (mm)	Net Wt lb (kg)
<b>POWER MIG® 256 Base Model</b>	K3068-1	208/230/1/60	250A/26V/40%	56/52A <sup>(1)</sup>	30-300A	50-700 (1.3-17.7)	31.8 x 18.9 x 38.8 (808 x 480 x 985)	220 (100)
	K3068-2 <sup>(2)</sup>	230/460/575/1/60		50/24/19A				
<b>One-Pak® w/Spool Gun</b>	K3069-1	208/230/1/60		56/52A <sup>(1)</sup>			—	—

<sup>(1)</sup>Input current is at the rated output with the 115V auxiliary receptacle also drawing 15 amps. <sup>(2)</sup>Does not include input cable.

**WARNING:** Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## POWER MIG® 262

Fabrication Simplified

- Simple User Interface - Seven segment display with basic knob controls
- Process Capabilities - MIG, Flux-Cored, Push-Pull and Spool Gun
- Rugged MAXTRAC® Industrial Wire Drive - Allows for constant wire feed speed and consistent welds
- 300 Amp Max Output - Perfect for general fabrication, light industrial, and maintenance and repair



**Processes**

- MIG
- Flux-Cored

**Output**



**Input**



**Literature**

E7.73

Product Name	Product Number	Input Power	Rated Output Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
<b>POWER MIG® 262</b>	K5706-1	208/230/460/575/1/60	230A/26.5V/60%	49.1/44/22.1/17.6	5-300 Amps, 50-700 ipm WFS, (1.3-17.7 m/min), Max. OCV 90V	37.5 x 18 x 37.5 (952.5 x 457.2 x 952.5)	250 (113.4)

**WARNING:** Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## POWER MIG® 262P

### The Ultimate Pulsed MIG Machine

- Equipped with cutting-edge technology like Ready Set.Weld®, ArcFX® and Weld Set Memory
- Intuitive 7-inch LCD display ensures seamless operation and unparalleled operator control
- Aluminum pulse process supports welding 4XXX and 5XXX series aluminum for superior quality welding
- Rugged MAXTRAC® industrial wire drive for constant wire feed speed and consistent welds



**Processes**

- MIG
- Pulsed MIG
- Flux-Cored

**Output**



**Input**



**Literature**

E7.72

Product Name	Product Number	Input Power	Rated Output Current/Voltage/ Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
POWER MIG® 262P	K5378-1	208/230/460/575/1/60	230A/26.5V/60%	49.1/44/22.1/17.6	5-300 Amps, 50-700 ipm WFS, (1.3-17.7 m/min), Max. OCV 90V	37.5 x 18 x 37.5 (952.5 x 457.2 x 952.5)	250 (113.4)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## POWER MIG® 262MP

### Professional-Grade Performance

- 7-inch Color Display
- Aluminum Pulse Process
- MAXTRAC® Industrial Wire Drive - Allows for constant wire feed speed and consistent welds
- Memory Recall - Save and access memories with the enhanced UI
- 300 Amp Max Output - Perfect for auto body, light fabrication, education and more



**Processes**

- MIG
- Pulsed MIG
- Flux-Cored
- Stick
- TIG

**Output**



**Input**



**Literature**

E7.600

Product Name	Product Number	Input Power	Rated Output Current/Voltage/ Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
POWER MIG® 262MP	K5376-1	208/230/460/575/1/60	230A/26.5V/60%	49.1/44/22.1/17.6	5-300 Amps 50-700 ipm WFS (1.3-17.7 m/min) Max. OCV 90V	37.5 x 18 x 37.5 (952.5 x 457.2 x 952.5)	250 (113.4)
Aluminum One-Pak® (Push Gun)	K5637-1						295 (133.8)
Aluminum One-Pak® (Push-Pull Gun)	K5638-1						295 (133.8)
Educational One-Pak®	K5636-1						312 (141.5)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## POWER MIG® 360MP®

### The Multi-Process Workhorse

- 7-Inch Color Display - Enhances communication with the operator
- Multi-Process Capable - Welds MIG, Flux-Cored, stick, TIG, pulsed MIG, and advanced processes like Pulse-On-Pulse® and Power Mode®
- Aluminum Pulse Process - Welds 4XXX and 5XXX series aluminum for superior quality welding
- Pulse-on-Pulse® - Delivers a stacked dime appearance when welding aluminum
- Power Mode® - Maintains a stable, smooth arc for short arc welding on steel
- Synergic Control - Set weld procedures with one control



#### Processes

- Stick
- TIG
- MIG
- Pulsed
- Flux-Cored

#### Output



#### Input



#### Literature

E7.60

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Wire Feed Speed ipm (m/min)	H x W x D in (mm)	Net Wt lb (kg)
<b>POWER MIG® 360MP® Base Unit</b>	K4467-1	208/230/460/575/1/50/60	320A/30V/60%	55/50/25/20A	5-360A 50-700 ipm WFS (1.3-17.7 m/min) Max. OCV: 70V	50-700 (1.3-17.7)	37.3 x 18 x 40.4 (947.42 x 457.2 x 1026.16)	265 (120.2)
No Input Cord	K4467-2							
Aluminum Rear Trigger One-Pak® for Trailer Mfg./General Fab.	K4662-1							
Aluminum Rear Trigger One-Pak® for Auto Repair	K4663-1							
Education One-Pak®	K4778-1							
Aluminum Front Trigger One-Pak® for Trailer Mfg./General Fab	K4784-1							
Aluminum Front Trigger One-Pak® for Auto Repair	K4785-1							





POWER MIG 211

**LINCOLN**  
**ELECTRIC**



## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### SP-140T<sup>®</sup> [K5261-1]

- SP-140T<sup>®</sup> Wire Feeder Welder
- Magnum<sup>®</sup> PRO 100L Gun, 10 ft. (3.0 m)
- Gas Nozzle
- Gas Diffuser
- Cable Liner
- Contact Tip 0.035 in. (0.9 mm)
- Work Cable and Clamp
- Adjustable Gas Regulator and Hose
- Spindle Adapter
- 0.025 - 0.030 in. (0.6 - 0.7 mm) and 0.035 in. (0.9 mm) Smooth Drive Roll for MIG & FCAW

### POWER MIG<sup>®</sup> 140 MP<sup>®</sup>

#### Base Model [K4498-1]

- POWER MIG<sup>®</sup> 140 MP Multi-Process Welder
- Magnum<sup>®</sup> PRO 100L Gun and 10 ft. (3.0 m) Cable Assembly With Brass Connection and 8-Pin Trigger Connector
- 0.025 in. (0.6 mm) Tapered Contact Tips (Qty 3)
- 0.035 in. (0.9 mm) Tapered Contact Tips (Qty. 3)
- Gasless Nozzle For Innershield<sup>®</sup> Welding
- Gas Nozzle For MIG Welding
- Spindle adapter for 8 in. (203 mm) Diameter Spools
- 0.025-0.035 in. (0.6-0.9 mm) Wire Diameter Dual Track Drive Roll For MIG And Flux-Cored Welding
- Harris<sup>®</sup> Gas Regulator and 52 in. (132.08 cm) Hose For Use With Ar/Co<sub>2</sub> Blend Gases. For Use With Co<sub>2</sub> Shielding Gas, Order A Lincoln Electric Co<sub>2</sub> Shielding Gas Bottle Adapter
- Sample Spool of 0.025 in. (0.6 mm) Diameter SuperArc<sup>®</sup> L-56<sup>®</sup> Premium MIG Wire
- Sample Spool of 0.035 in. (0.9 mm) Diameter Innershield<sup>®</sup> NR<sup>®</sup>-211-MP Flux-Cored Wire
- Work Clamp and 10 ft. (3.0 m) Cable
- Instruction Manual
- Quick Start Guide
- Electrode Holder with 10 ft. (3.0 m) Cable for Stick Welding

#### TIG One-Pak<sup>®</sup> [K4499-1]

- Everything listed above for base model K4498-1
- PTA-9 TIG Torch, 12.5 ft. (3.8 m), 1 pc
- Foot Pedal

### POWER MIG<sup>®</sup> 211i

#### Base Model [K6080-1]

- POWER MIG<sup>®</sup> 211i
- Magnum<sup>®</sup> PRO 100L Gun 10 ft. (3.0 m) [K4528-1]
- 120V to 230V Power Cord Adapter
- Work Cable and Clamp
- Adjustable Gas Regulator and Hose
- Gas Nozzle
- Gun Cable Liner (pre-installed in gun)
- Spindle Adapter
- Sample 2 lb. (1 kg) 0.030 in. (0.76 mm) Spool of SuperArc<sup>®</sup> L-56<sup>®</sup> Mild Steel MIG Wire (EDO30631)
- 0.030 in. (0.8 mm) Contact Tip (Installed)
- 0.030 - 0.035 in. (0.8 - 0.9 mm) Drive Roll (Installed)
- 0.030 - 0.045 in. (0.8 - 1.1 mm) Knurled Drive Rolls
- 0.025 - 0.035 in. (0.6 - 0.9 mm) Wire Guide (Installed)

### POWER MIG<sup>®</sup> 215 MPi<sup>™</sup>

#### Base Model [K4876-1]

- POWER MIG<sup>®</sup> 215 MPi<sup>™</sup> Multi-Process Welder
- K4076-1 Magnum<sup>®</sup> PRO 175L Gun 10 ft. (3.0 m)
- 230V to 120V Power Cord Adapter
- Work Cable and Clamp
- Electrode Holder and Lead Assembly
- Adjustable Gas Regulator and Hose
- Gasless Nozzle
- Gun Cable Liner (pre-installed in gun)
- Spindle Adapter
- ED030631 Sample 2 lb. (1 kg) 0.030 Spool of SuperArc<sup>®</sup> L-56<sup>®</sup> Mild Steel MIG Wire (ED030631)
- Contact Tips 0.025 in. (0.6 mm)
- Contact Tips 0.035 in. (0.9 mm)
- Drive Rolls 0.025-0.030 in. (0.6-0.8 mm) and 0.035 in. (0.9 mm) (Installed)
- Knurled Drive Roll 0.030-0.045 in. (0.8-1.1 mm)
- Wire Guide 0.045 in. (1.1 mm) and 0.025-0.035 in. (0.6-0.9 mm) (Installed)



Shown:  
SP-140T<sup>®</sup>



Shown:  
POWER MIG<sup>®</sup> 140 MP<sup>®</sup>  
TIG One-Pak<sup>®</sup>



Shown:  
POWER MIG<sup>®</sup> 211i  
Base Model

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Aluminum One-Pak® [K4877-1]

- POWER MIG® 215 MPI™ Multi-Process Welder
- Magnum® PRO 175L Gun 10 ft. (3.0 m) [K4076-1]
- Magnum® PRO 100SG Spool Gun [K3269-1]
- 230V to 120V Power Cord Adapter
- Work Cable and Clamp
- Electrode Holder and Lead Assembly
- Adjustable Gas Regulator and Hose
- Gasless Nozzle
- Gun Cable Liner (pre-installed in gun)
- Spindle Adapter
- Sample 2 lb. (1 kg) 0.030 Spool of SuperArc® L-56® Mild Steel MIG Wire (ED030631)
- Contact Tips 0.025 in. (0.6 mm)
- Contact Tips 0.035 in. (0.9 mm)
- Drive Rolls 0.025-0.030 in. (0.6-0.8 mm) and 0.035 in. (0.9 mm) (Installed)
- Knurled Drive Roll 0.030-0.045 in. (0.8-1.1 mm)
- Wire Guide 0.045 in. (1.1 mm) and 0.025-0.035 in. (0.6-0.9 mm) (Installed)

### TIG One-Pak® [K4878-1]

- POWER MIG® 215 MPI™ Multi-Process Welder
- Magnum® PRO 175L Gun 10 ft. (3.0 m) [K4076-1]
- PTA-17 Ultra-Flex TIG Torch 12.5 ft. (3.8 cm) [K1782-1]
- Twist Mate™ TIG Torch Adapter [K1622-1]
- Foot Amptrol™ (K870)
- PTA-17V TIG Torch Parts Kit (KP508)
- 230V to 120V Power Cord Adapter
- Work Cable and Clamp
- Electrode Holder and Lead Assembly
- Adjustable Gas Regulator and Hose
- Gasless Nozzle
- Gun Cable Liner (pre-installed in gun)
- Spindle Adapter
- Sample 2 lb. (0.91 kg) Spool of SuperArc® L-56® MIG Wire (ED030631)
- Contact Tips 0.025 in. (0.6 mm)
- Contact Tips 0.035 in. (0.9 mm)
- Drive Rolls 0.025-0.030 in. (0.6-0.8 mm) and 0.035 in. (0.9 mm) (Installed)
- Knurled Drive Roll 0.030-0.045 in. (0.8-1.1 mm)
- Wire Guide 0.045 in. (1.1 mm) and 0.025-0.035 in. (0.6-0.9 mm) (Installed)

### POWER MIG® 256

#### Base Model [K3068-1]

- POWER MIG® 256 Welder
- Magnum® PRO 250L Gun, and 15 ft. (4.5 m) Cable Assembly
- Top-Mounted Gun Expendables Tray
- Built-in Undercarriage with Easy-Load Gas Cylinder Platform
- Gun Cable Liner (pre-installed in gun)
- 230V Input Power Cable with Plug, 10 ft.
- Drive Rolls and Wire Guide 0.035-0.045 in. (0.6-0.8 mm) and 0.035 in. (0.9 mm) (Installed)
- Work Clamp and Cable, 10 ft. (3.0 m)
- Deluxe Adjustable Gas Regulator and Hose Kit for Argon Blend Gases

#### Base Model [K3068-2]

- Everything Listed with Base Model K3068-1
- 230/460/575V Capability

#### One-Pak® Package [K3069-1]

- Everything Listed with Base Model K3068-1
- Magnum® PRO 250LX Spool Gun with 15 ft. (4.572 m) Gun Cable Assembly
- Dual Cylinder Mounting Kit
- Extra Gas Regulator and Hose Kit for Argon Blend Gases

### POWER MIG® 262

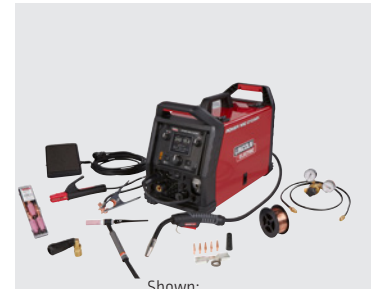
#### Base Model [K5706-1]

- Magnum® PRO 250L Welding Gun [K4530-2]
- Adjustable Gas Regulator and Hose [K586-1]
- Drive Roll Kit 0.035/0.045 in. (0.9/1.1 mm) [KP1696-1]
- 10 ft. Work Cable with Clamp
- 10 ft. Power Cable with Plug

### POWER MIG® 262P

#### Base Model [K5378-1]

- Magnum® PRO 250L Welding Gun [K4530-2]
- Adjustable Gas Regulator and Hose [K586-1]
- Drive Roll Kit 0.035/0.045 in. (0.889/1.143 mm) [KP1696-1]
- 10 ft. (3.0 m) Work Cable with Clamp
- 10 ft. (3.0 m) Power Cable with Plug



Shown:  
POWER MIG® 215MPI™ TIG  
One-Pak®



Shown:  
POWER MIG® 256  
One-Pak® Package



Shown:  
POWER MIG® 262MP  
Base Model

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### POWER MIG® 262MP

#### Base Model [K5376-1]

- POWER MIG® 262MP Welder
- Magnum® PRO 250L Welding Gun [K4530-2]
- Adjustable Gas Regulator and Hose [K586-1]
- Drive Roll Kit 0.035/0.045 in. [0.889/1.143 mm] [KP1696-1]
- Quick Storage Accessories
- 10 ft. (3.0 m) Work Cable with Clamp
- 10 ft. (3.0 m) Power Cable with Plug

#### Aluminum One-Pak® (Push Gun) [K5637-1]

- POWER MIG® 262MP Welder
- Magnum® PRO 250L Welding Gun [K4530-2]
- Adjustable Gas Regulator and Hose [K586-1]
- Drive Roll Kit 0.035/0.045 in. [0.889/1.143 mm] [KP1696-1]
- Quick Storage Accessories
- 10 ft. (3.0 m) Work Cable with Clamp
- 10 ft. (3.0 m) Power Cable with Plug
- Magnum® Pro Curve 300AL [K4700-1-6-116A]
- 3/64 in. SuperGlaze® 5554 16 lb. [7.257 kg] Spool [ED029573]
- Aluminum Drive Roll Kit [KP1695-3/64A]

#### Aluminum One-Pak® (Push-Pull Gun) [K5638-1]

- POWER MIG® 262MP Welder
- Magnum® PRO 250L Welding Gun [K4530-2]
- Adjustable Gas Regulator and Hose [K586-1]
- Drive Roll Kit 0.035/0.045 in. [0.9/1.2 mm] [KP1696-1]
- Quick Storage Accessories
- 10 ft. (3.0 m) Work Cable with Clamp
- 10 ft. (3.0 m) Power Cable with Plug
- Magnum® PRO AL Rear Trigger Gun 25 ft. [7.62 m] [K4795-2]
- 3/64 in. [1.2 mm] SuperGlaze® 5554 16 lb. [7.3 kg] Spool [ED029573]
- Aluminum Drive Roll Kit [KP1695-3/64A]

#### Educational One-Pak® [K5636-1]

- POWER MIG® 262MP Welder
- Magnum® PRO 250L Welding Gun [K4530-2]
- Adjustable Gas Regulator and Hose [K586-1]
- Drive Roll Kit 0.035/0.045 in. [0.9/1.2 mm] [KP1696-1]
- Quick Storage Accessories
- 10 ft. (3.0 m) Work Cable with Clamp
- 10 ft. (3.0 m) Power Cable with Plug
- Dual Cylinder Cart [K3676-1]
- TIG Torch Twist Mate™ to Stud Adaptor [K2505-3]
- Stick Electrode Holder [K2374-1]
- Work Lead/Ground Clamp [K1803-3]
- Foot Amptrol™ [K870]
- TIG Torch Ready-Pak® [K1782-14]
- Parts Kit for PTA 17 TIG Torch [KP508]
- Flowmeter Regulator [3100211]

### POWER MIG® 360MP®

#### Base Model [K4467-1]

- POWER MIG® 360MP Multi-Process
- Magnum® PRO Curve™ 300 Gun 15 ft. [4.5 m]
- 0.035/0.045 in. [0.9/1.2 mm] Drive Rolls and Wire Guide for Steel
- Gas Regulator and Hose
- Work Clamp and Cable
- 230V Input Cord and Plug
- 115V AC Auxiliary Power Receptacle
- Storage Compartment

#### Aluminum Rear Trigger One-Pak® for Trailer Mfg/Gen Fabrication [K4662-1]

- Everything listed above for base model [K4467-1]
- Magnum® PRO AL FC 225 Air 12-Pin Rear Trigger Gun 25 ft. [7.6 m]
- Aluminum Wire Drive roll kit, 2-roll, 3/64 in. [1.2 mm]
- SuperGlaze® 5356 3/64 in. [1.2 mm], 16 lb. [7.3 kg] spool
- 12F to 7M Adapter

#### Aluminum Rear Trigger One-Pak® for Auto Repair [K4663-1]

- Everything listed above for base model [K4467-1]
- Magnum® PRO AL FC 225 Air 12-Pin Rear Trigger 25 ft. [7.6 m]
- Aluminum Wire Drive roll kit, 2-roll, 3/64 in. [1.2 mm]
- Connector Cable 12F to 7M
- SuperGlaze® 5554 3/64 in. [1.2 mm], 16 lb. [7.3 kg] spool



Shown:  
POWER MIG® 262MP  
Educational One-Pak®



Shown:  
POWER MIG® 360 MP®  
Education One-Pak® Package



Shown: POWER MIG® 360 MP®  
Aluminum One-Pak®

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Aluminum Front Trigger One-Pak® For Trailer

#### Mfg/General Fabrication (K4784-1)

- Everything listed above for base model (K4467-1)
- Magnum® PRO AL FC 225 Air 12-Pin Front Trigger 25 ft. (7.6 m)
- Aluminum Drive roll kit, 2-roll, 3/64 in. (1.2 mm)
- SuperGlaze® 5356 3/64 in. (1.2 mm) 16 lb. (7.3 kg) spool
- 12F to 7M Adapter

### Aluminum Front Trigger One-Pak® For Auto Repair (K4785-1)

- Everything listed above for base model (K4467-1)
- Magnum® PRO AL FC 225 Air 12-Pin Front Trigger 25 ft. (7.6 m)
- Aluminum Wire Drive roll kit, 2-roll, 3/64 in. (1.2 mm)
- SuperGlaze® 5554 3/64 in. (1.2 mm) 16 lb. (7.3 kg) spool
- 12F to 7M Adapter

### Education One-Pak® (K4778-1)

- Everything listed above for base model (K4467-1)
- Drive Roll and Guide Tube Kit 0.0350/0.045 in. (0.9/1.2 mm) solid wire
- PTA-17F TIG Torch Ready-Pak® 12.5 ft. (3.8 m)
- Stick Electrode Holder and Cable (Includes Twist Mate™ Connector)
- Foot Amptrol™-25 ft. (7.6 m) 6 pin
- Dual Cylinder Cart
- Weld Cable Package - Work Lead - TM & GC500 Ground Clamp (2/0, 350A, 60%) - 15 ft. (4.6 m)
- Gas Regulator
- TIG Torch Twist Mate™ to Stud Adapter Cable, 2 ft. (3.7m) Gas Hose
- Parts Kit for PTA-17 TIG Torch

### (No Input Cord) [K4467-2]

- Magnum® PRO Curve™ 300 Gun 15 ft. (4.5 m)
- 0.035/0.045 in. (0.9/1.2 mm) Drive Rolls and Guide for Steel
- Gas Regulator and Hose
- Work Clamp and Cable
- 115V AC Auxiliary Power Receptacle
- Storage Compartment



## Accessories

Product Name	Product No.	SP-140T*	POWER MIG® 140 MP*	POWER MIG® 211i	POWER MIG® 215 MPI™	POWER MIG® 262	POWER MIG® 262P	POWER MIG® 262MP	POWER MIG® 256	POWER MIG® 360MP*	
		Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model
		K5261-1	K4498-1	K6080-1	K4876-1	K5706-1	K5378-1	K5376-1	K3068-1	K3068-2	K4467-1
<b>GENERAL</b>											
Welding Cart (80 cu. ft bottle capacity)	K2275-1	•	•								
Utility Cart (150 cu. ft bottle capacity)	K520	•	•	•	•						
CanVAS™ Cover, Small	K2377-1	•	•	•							
CanVAS™ Cover, Small Medium	K2377-2				•						
CanVAS™ Cover, Medium	K2378-1								•	•	
Canvas Cover, Power Wave® 300C and Power MIG® 260/360 MP	K3675-1					•	•	•			•
Spot Timer Kit	K2525-1		•								
Accessory Bag	K3071-1		•								
Connector Kit – POWER MIG®	K466-6								•	•	
8 in (203.2 mm) O.D. Spool Adapter	K468					•	•	•	•	•	
Harris® Aluminum Flow/Regulator	3100546					•	•	•			
Dual Cylinder Mounting Kit	K1702-1								•	•	
Dual Cylinder Cart	K3676-1					•	•	•			
Drive Roll, 0.025-0.030 in (0.6-0.8 mm) Smooth	KP2529-1		•								
Drive Roll, 0.035 in (0.9 mm) Smooth	KP2529-2		•								
Drive Roll, 0.030-0.045 in (0.8-1.1 mm) Knurled	KP2529-3		•								
Inner Wire Guide, 0.025-0.035 in (0.6-0.9 mm) Steel	KP2531-1		•								
Inner Wire Guide, 0.045 in (1.1 mm) Steel	KP2531-2		•								
Replacement Screen Shield	KP4140-1				•						
Replacement Lens 7 in (178 mm)	KP4395-1					•	•	•			•
Drive Roll Kit, 0.023-0.030 in (0.6-0.8 mm) Solid Wire	KP1696-030S					•	•	•	•	•	•
Drive Roll Kit, 0.035 in (0.9 mm) Solid Wire	KP1696-035S					•	•	•	•	•	•
Drive Roll Kit, 0.035 and 0.045 in (0.9 and 1.1 mm) Solid Wire	KP1696-1					•	•	•	•	•	•
Drive Roll Kit, 0.040 in (1.0 mm) Solid Wire	KP1696-2					•	•	•	•	•	•
Drive Roll Kit, 0.045 in (1.1 mm) Solid Wire	KP1696-045S					•	•	•	•	•	•
Drive Roll Kit, 0.030-0.035 in (0.8-0.9 mm) Cored Wire	KP1697-035C					•	•	•	•	•	•
Drive Roll Kit, 0.040-0.045 in (1.0-1.1 mm) Cored Wire	KP1697-045C					•	•	•	•	•	•
Drive Roll Kit, 0.035 in (0.9 mm) Aluminum Wire	KP1695-035A					•	•	•			•
Drive Roll Kit, 3/64 in (1.2 mm) Aluminum Wire	KP1695-3/64A					•	•	•	•	•	•
Spindle Adapter for 14 lb (6.35 kg) Coils	K435				•	•	•	•			
Readi-Reel™ Adapter	K363P					•	•	•			
Weld Fume Control System	—		•			•	•	•	•	•	•
<b>STICK</b>											
Accessory Kit, 400 Amp	K704					•	•	•			•

• Optional

## Accessories

Product Name	Product No.	SP-140T <sup>®</sup>	POWER MIG <sup>®</sup> 140 MP <sup>®</sup>	POWER MIG <sup>®</sup> 211i	POWER MIG <sup>®</sup> 215 MPI <sup>™</sup>	POWER MIG <sup>®</sup> 262	POWER MIG <sup>®</sup> 262P	POWER MIG <sup>®</sup> 262MP	POWER MIG <sup>®</sup> 256	POWER MIG <sup>®</sup> 360MP <sup>®</sup>	
		Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	
		K5261-1	K4498-1	K6080-1	K4876-1	K5706-1	K5378-1	K5376-1	K3068-1	K3068-2	K4467-1
<b>TIG</b>											
Adapter, Twist Mate™ TIG Torch Kit PTA-9/PTA-17	K1622-1				•						
Pro-Torch™ TIG Torches	See Gun Sec.										•
PTA-17 Ultra-Flex™ TIG Torch 12.5 ft (3.8 m)	K1782-1				•						
Parts Kit For PTA-17 Series Torches	KP508							•			•
Parts Kit For PTW-18 and -26 Series Torches	KP509							•			•
Foot Amptrol™	K870				•			•			•
Hand Amptrol™ (Rotary Track Style)	K963-3							•			•
Arc Start Switch	K814										•
PTA-17 150 Amp Air-Cooled TIG Torch, 12.5 ft cable	K1782-2							•			
PTA-17 150 Amp Air-Cooled TIG Torch 25 ft cable	K1782-4							•			
PTA-26 200 Amp Air-Cooled TIG Torch, 12.5 ft cable	K1783-2							•			
PTA-26 200 Amp Air-Cooled TIG Torch 25 ft cable	K1783-4							•			
Cut Length Consumables	See C1.10										•
<b>WIRE FEEDER / PUSH-PULL GUNS</b>											
Magnum <sup>®</sup> PRO AL FC 225 Air-Cooled Push-Pull Guns											
Front Trigger, 12-Pin, 15 ft (4.5 m)	K4797-1					•	•	•			•
Front Trigger, 12-pin, 25 ft (7.6 m)	K4797-2					•	•	•			•
Front Trigger, 12-pin, 35 ft (10.6 m)	K4797-3					•	•	•			•
Front Trigger, 12-pin, 50 ft (15.2 m)	K4797-v4					•	•	•			•
Rear Trigger, 12-pin, 15 ft (4.5 m)	K4795-1					•	•	•			•
Rear Trigger, 12-pin, 25 ft (7.6 m)	K4795-2					•	•	•			•
Rear Trigger, 12-pin, 35 ft (10.6 m)	K4795-3					•	•	•			•
Rear Trigger, 12-pin, 50 ft (15.2 m)	K4795-4					•	•	•			•
Magnum <sup>®</sup> PRO AL FC 450 Water-Cooled Push-Pull Guns											
Rear Trigger, 12-pin, 15 ft (4.5 m)	K4796-1					•	•	•			•
Rear Trigger, 12-pin, 25 ft (7.6 m)	K4796-2					•	•	•			•
Rear Trigger, 12-pin, 35 ft (10.6 m)	K4796-3					•	•	•			•
Rear Trigger, 12-pin, 50 ft (15.2 m)	K4796-4					•	•	•			•
12 pin to 7 pin adapter	K2910-2					•	•	•			•
12M to 7F Connector Cable	K2910-1					•	•	•			•

# Accessories

Product Name	Product No.	SP-140T*	POWER MIG® 140 MP*	POWER MIG® 211i	POWER MIG® 215 MPI™	POWER MIG® 262	POWER MIG® 262P	POWER MIG® 262MP	POWER MIG® 256	POWER MIG® 360MP*	
		Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model
		K5261-1	K4498-1	K6080-1	K4876-1	K5706-1	K5378-1	K5376-1	K3068-1	K3068-2	K4467-1
<b>WIRE FEEDER / PUSH-PULL GUNS</b>											
Magnum® PRO Curve™ 300 Series											
10 ft (3.0 m)	K2951-1										•
15 ft (4.5 m)	K2951-2										•
20 ft (6.1 m)	K2951-3										•
25 ft (7.6 m)	K2951-4										•
Magnum® PRO AL Pistol Grip Push-Pull Guns, Air Model											
15 ft (4.6 m)	K3478-1										•
25 ft (7.6 m)	K3478-2										•
35 ft (10.7 m)	K3478-3										•
Cougar™ Air-Cooled Push-Pull Gun, 7-pin, 25 ft (7.6 m)	K2704-2										•
Cougar™ Air-Cooled Push-Pull Gun, 7-pin, 50 ft (15.2 m)	K2704-3										•
<b>SPOOL GUN</b>											
Magnum® PRO 100SG Spool Gun	K3269-1	•		•	•						
Magnum® PRO 100SG Spool Gun – 8-pin	K4360-1		•								
Magnum® SG Spool Gun, Air-Cooled, w/Remote, 25 ft (7.6 m)	K487-25								•	•	
Magnum® SG Spool Gun Control Cable Adapter	K2445-1								•	•	
Magnum® PRO 250LX Spool Gun	K3570-2					•	•	•	•	•	•
Control Cable Extension, 25 ft (7.6 m)	K2519-1								•	•	•
Spool Gun Holder	K1738-1										•
Spool Gun Holder, POWER MIG®	K3667-1										
<b>2-YEAR EXTENDED WARRANTY AVAILABLE</b>	—		•	•	•	•	•	•	•	•	•

• Optional

# MULTI-PROCESS WELDERS

MODEL	OUTPUT		Current Range (Amps)	COMPATIBILITY				PROCESS						INPUT		Features CrossLinc®	
	Mode	Polarity		12-Pin Accessory	14-Pin Analog Feeder	5-pin ArcLink® Feeder	Pulse Capable w/ArcLink®	Stick	TIG	MIG	MIG Pulse	Flux-Cored	STT®	Submerged Arc	Arc Gouge		Phase
<b>INVERTER TECHNOLOGY</b>																	
PIPEFAB™	CC/CV	DC	5-400	•	•	•	•	•	•	•	•	•	•	•	3	50/60	
Flextec® 350X Construction	CC/CV	DC	5-425	•				•	•	•				•	3	50/60	•
Flextec® 350XP	CC/CV	DC	5-425	•	•	•	•	•	•	•	•			•	3	50/60	•
Flextec® 350X PowerConnect®	CC/CV	DC	5-425	•	•	•	•	•	•	•	•			•	1/3	50/60	•
Flextec® 500X	CC/CV	DC	5-500	•	•	•	•	•	•	•	•			•	3	50/60	•
Flextec® 650X	CC/CV	DC	10-815	•	•	•		•	•	•		•	•	•	3	50/60	•
<b>PERFORMANCE MONITORING</b>																	
Arc Tracker®	CC/CV	DC	—					•	•	•	•	•	•		1	50/60	
<b>RECTIFIER TECHNOLOGY</b>																	
Idealarc® DC600	CC/CV	DC	70-850					•	•	•		•	•	•	3	60	

KEY: ● Excellent    ◐ Good    ● Optional



## PIPEFAB™

### The Ideal Setup for Pipe & Vessel Fabrication

- Breakthrough arc performance with weld modes fine-tuned for pipe and vessel fabrication
- Straightforward and simple control with digital user interface and one-click process selection
- Ready-to-Run® design and Cable View® technology to monitor cable inductance
- Industry-leading 5-year warranty



**Processes**

- Stick
- TIG
- MIG
- STT® MIG
- Pulsed MIG
- Flux-Cored
- HyperFill™
- Low Fume Pulse™

**Output**



**Input**



**Literature**

E5.13

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
PIPEFAB™ Power Source	K3731-1	200-208/220-230/380-415/460/575	STICK: 55-400A/36V/100% MIG: 40-400A/34V/100% FLUX-CORED: 40-400A/34V/100% TIG: 5-400A/26V/100%	53/46/26/24/19	5-400A	22.1 x 17.5 x 34.8 (561.3 x 444.5 x 883.9)	206.5 (93.7)
PIPEFAB™ Feeder	K3735-1	40V DC				14.5 x 22 x 30.2 (368.3 x 558.8 x 767)	80 (36.3)
PIPEFAB™ Ready-Pak®	K3734-1	—				43.5 x 30.9 x 48.5 (1104.9 x 784.9 x 1231.9)	340 (154.2)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Flextec® 350X Construction

### A Rugged Multi-Process Power Source for Field Welding Applications

- Simple operator panel minimizes setup time
- Reliable components designed to run cool for long life in high temperature environments - IP23 and Desert Duty® rated
- CrossLinc® Technology enables remote procedure setting at the feeder without additional control cables to save time and improve weld quality
- Ideal field welding solution when stick, TIG, or wire welding using a CrossLinc® wire feeder



**Processes**

- Stick
- DC TIG
- MIG
- Flux-Cored
- Arc Gouging

**Output**



**Input**



**Literature**

E5.109

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Flextec® 350X Construction (Tweco®)	K4271-2	380/460/575/3/50/60	300A/32V/100% 350A/34V/60%	23/20/21 18/17/17	5-425A Max OCV 80V DC	17 x 13 x 23 (432 x 330 x 584)	77 (34.9)
Construction (Twist Mate™/Dinse®)	K3441-2						
Construction/LN-25X® One-Pak®	K4278-3						127 (58)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Flextec® 350XP

A Rugged Multi-Process Power Source for Fabrication Shop Solutions

- Simple operator panel minimizes setup time
- Reliable components designed to run cool for long life in high temperature environments - IP23 and Desert Duty® rated
- Flexible enough to work with across-the-arc, analog, and digital or CrossLinc® wire feeders
- Includes Pulsed MIG when using an ArcLink® capable wire feeder



**Processes**

- Stick
- DC TIG
- MIG
- Pulsed MIG\*
- Flux-Cored
- Arc Gouging

**Output**



**Input**



**Literature**

E5.109

\* Pulsed MIG only available with compatible ArcLink® wire feeder

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Flextec® 350XP Base Model (Tweco®)	K4272-2	380/460/575/3/50/60	350A/34V/60% 300A/32V/100%	23/20/21 18/17/17	5-425A Max OCV: 80V DC	17 x 13 x 23 (432 x 330 x 584)	82 (37.1)
Base Model (Twist Mate™)	K3442-2						
Power Feed® -84 One-Pak®	K3438-3						159 (72.1)
DLF-82 Ready-Pak®	K5335-1						278 (126.1)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Flextec® 350X PowerConnect®

A Rugged Multi-Process Power Source for Maximum Flexibility

- Simple operator panel minimizes setup time
- Reliable components designed to run cool for long life in high temperature environments - IP23 and Desert Duty® rated
- Flexible enough to work with across-the-arc, analog, digital or CrossLinc® wire feeders; weld mode changes and automatic weld mode selections can be made via CrossLinc®
- Automatically connects to any input voltage 200-600V 1/3-phase, 50/60 Hz
- Software updates are available via USB



**Processes**

- Stick
- DC TIG
- MIG
- Pulsed MIG\*\*
- Flux-Cored
- Arc Gouging
- STT\*

**Output**



**Input**



**Literature**

E5.109

\* Available only with Activ8X® Pipe Feeder

\*\* Pulsed MIG only available with compatible ArcLink® wire feeder

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Flextec® 350X PowerConnect® Base Model (Tweco®)	K4273-2	200-208/220-230/380-415/460/575 3-Ph: 50/60 Hz	350A/34V/60% 300A/32V/100%	45/40/23/19/15 37/33/19/16/13	5-425A Max OCV: 80V DC	17 x 13 x 24 (432 x 330 x 609)	77 (35)
Base Model (Twist Mate™/ Dinse®)	K3443-2						
Tweco® Activ8X® Pipe One-Pak®	K5802-1						154 (69.9)
Tweco® LF-74 H One-Pak®	K5803-1						
DLF-82 Ready-Pak®	K5336-4						158 (71.7)
DLF-82 Education Ready-Pak®	K5336-5						

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Flextec® 500X

### Powerful Performance from the Ground Up

- Streamlined operator panel minimizes set up time
- Components designed to run cool for long life in high temperature environments
- Compatible with a variety of wire feeders – analog, digital and across-the-arc
- Premium multi-process arc characteristics for wire, stick and DC TIG processes
- Features CrossLink® Technology to help improve jobsite safety, quality and productivity



#### Processes

- Stick
- DC TIG
- MIG
- Pulsed MIG\*
- Flux-Cored
- Arc Gouging

#### Output



#### Input



#### Literature

E5.108, 5.108 and M17-08

\*Pulsed MIG only available with compatible ArLink® wire feeder

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Flextec® 500X Base Model	K3607-1	380/460/575/3/50/60	500A/40V/60% 450A/38V/100%	39/31/31 33/27/27	5-500A	18.8 x 14 x 26.5 (477 x 356 x 673)	120 [54.4]
LF-74 Heavy Duty Ready-Pak®	K3608-2						352 [160]
Flex Feed® 84 Ready-Pak®	K3608-4						
Power Feed® 84 Heavy Duty Ready-Pak®	K3608-3						
DLF-82 Ready-Pak®	K3608-5						334 [151.5]
Activ8X® One-Pak®	K3612-7						185 [84]
LF-74 Heavy Duty One-Pak®	K3612-2						250 [113.4]
Flex Feed® 74HT One-Pak®	K3612-3						218 [98.9]
Flex Feed® 84 Heavy Duty One-Pak®	K3612-4						
Power Feed® 84 Heavy Duty One-Pak®	K3612-5						
Power Feed® 25M/Magnum® PRO Aluminum RT Push-Pull One-Pak®	K3612-9						201 [91.2]
Power Feed® 25M, Magnum® PRO Aluminum FT Push-Pull One-Pak®	K6554-1						

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Flextec® 650X

### Multi-Process Power for Heavy Duty Applications

- Delivers up to 815A of welding power for construction, shipbuilding and heavy fabrication
- CrossLinc® Technology delivers full functionality without control cables for greater productivity, enhanced quality and improved job site safety
- Compatible with most Lincoln Electric feeders including portable across-the-arc, CrossLinc®, ArLink® and analog bench or boom models
- Engineered for outdoor use and harsh environments (IP23 rated)



**Processes**

- Stick
- DC TIG
- MIG
- Flux-Cored
- Submerged Arc
- Arc Gouging

**Output**



**Input**



**Literature**

E5.96

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
<b>Flextec® 650X Base Model</b>	K3425-1	380/460/575/3/50/60	750/44/60% <sup>(1)</sup>	61/50/40A	40-815A	21.8 x 16.1 x 29.3 (554 x 410 x 745)	165 (75)
<b>LF-74 Heavy Duty One-Pak®</b>	K3513-1		650/44/100% <sup>(1)</sup>	57/47/38A			224 (101.6)
<b>Flex Feed® 84 One-Pak®</b>	K3514-1		GTAW: 750/34/60%		GTAW: 10-815A		235 (106.6)
			GTAW: 650/34/100%		SMAW: 15-815A		
<b>LF-74 Ready-Pak®</b>	K3512-1						510 (231.3)

<sup>(1)</sup>Output is limited to 600A/100% and 700A/60% when used with the K3091-1 Multi-Process Switch

**WARNING:** Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Idealarc® DC600

### Rugged Construction. Simple Controls.

- Full range output voltage control provides easy operation and precise control
- Optional Voltage Reduction Device™ (VRD™) reduces open circuit voltage for an additional level of safety
- Circuitry protected against moisture and corrosive environments
- A small footprint allows for placement under a workbench or stacked up to 3 high on top of each other



**Processes**

- Stick
- DC TIG
- MIG
- Flux-Cored
- Submerged Arc
- Gouging

**Output**



**Input**



**Literature**

E5.40

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
<b>Idealarc® DC600 w/Multi-Process Switch</b>	K1288-18	230/460/3/60	600A/44V/100% 680A/44V/60%	108/54A	CV: 70A/13V - 780A/44V	30.75 x 22.25 x 39.0 (781 x 567 x 988)	522 (236.8)
<b>w/Meters</b>	K1288-17						
	K1288-22			230/460/575/3/60	108/54A/43A		
<b>w/VRD™</b>	K1288-28 <sup>(1)</sup>						

<sup>(1)</sup>Made to order. **Note** » 50 Hertz models also available.

**WARNING:** Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## Arc Tracker® Data Monitor

### Portable, Powerful Weld Performance Monitoring

- Advanced digital controls sample the welding arc at extremely high speeds
- Simple plug-and-play design enables you to connect to any DC welding circuit, attach voltage leads and immediately monitor arc performance
- Easily calibrated for use in factory quality systems
- Equipped with CheckPoint™ – A cloud-based system to view or analyze your welding data. Track equipment usage, store weld data, configure fault limits and more



**Processes**

- DC Arc Welding Circuits Only (10-1000A @ 100% Duty Cycle)
- Any DC Polarity Welding Process
- Any DC Welding Power Source

**Output**



**Input**



**Literature**

E5.99

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Arc Tracker®	K3019-1	120-230/1/50/60	NEMA EW1: 1,000/44/100% DC IEC60974-1: 1,000/44/100% DC	0.8A @ 120V AC	—	12 x 9 x 15 (305 x 220 x 381)	20 (9.0)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### Flextec® 350X Construction

#### LN-25X® One-Pak® (K4278-3)

- Flextec® 350X Construction (Tweco®) (K4271-2)
- LN-25X® w/CrossLinc® and TVT (No Flowmeter, Tweco®) (K4267-2)
- Magnum® PRO Curve™ HDE™ 250 Welding Guns (K4531-2-10-45)
- 8.5 ft. (2.6m) Input Power Cord
- Weld Cable Package - Work and Power Lead 2/0 - Tweco® Male and GC500 / Tweco® Male and Lug - 10 ft. (3 m) (K1803-2)

### Flextec® 350XP

#### DLF-82 Ready-Pak® (K5335-1)

- Flextec® 350XP (Tweco®) (K4272-2)
- DLF-82 Bench Model (w/ Gun) (K5282-3)
- 8.5 ft. (2.6 m) Input Cord
- DLF-Feeder Cart Mounting Bracket (K5395-1)
- Flextec® 350X Locking Foot Kit (K4424-1)
- Cart for Inverter and Wire Feeder (K3059-4)
- Weld Cable Package - Work and Power Lead 2/0 - Tweco® Male and GC500 / Tweco® Male and Lug - 10 ft. (3 m) (K1803-2)
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit (3100211)

#### Power Feed® 84 One-Pak® (K3438-3)

- Flextec® 350XP (Tweco®) (K4272-2)
- Power Feed® 84, Heavy Duty, USB (K3328-13)
- 4-Roll Drive & Wire Guide Kit, 0.035-0.045 in. (0.9-1.1 mm) Solid Wire (KP1505-1)
- Magnum® PRO Curve™ HDE™ 250 Welding Guns (K4531-2-10-45)
- Input Power Cord, 8.5 ft. (2.6 m)
- Weld Cable Package - Work and Power Lead 2/0 - Tweco® Male and GC500 / Tweco® Male and Lug - 10 ft. (3 m) (K1803-2)
- Harris® Gas Regulator/Flowmeter and 10 ft. (3.0 m) Hose Kit (3100211)

### Flextec® 350X PowerConnect®

#### LF-74 One-Pak® (K5803-1)

- Flextec® 350X PowerConnect® (Tweco®) (K4273-2)
- LF-74 Wire Feeder, Bench Model, Heavy Duty (K2426-5)
- Drive Roll Kit, 0.035 in., 0.045 in. (0.9 mm, 1.1 mm), Solid Wire (KP1505-1)
- Magnum® PRO Curve™ HDE™ 250 Welding Guns (K4531-2-10-45)
- 8.5 ft. (2.6m) input power cord
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Weld Cable Package - Work and Power Lead 2/0 - Tweco® Male and GC500 / Tweco® Male and Lug - 10 ft. (3 m) (K1803-2)
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit (3100211)

#### Activ8X® Pipe One-Pak® (K5802-1)

- Flextec® 350X PowerConnect® (Tweco®) (K4273-2)
- Activ8X® Pipe™ (Tweco®) (K4717-1)
- Drive Roll Kit Combination 0.035 in. / 0.045 in. (0.9 mm / 1.1 mm) Solid Wire (KP1696-1)
- Magnum® PRO Curve™ HDE™ 250 Welding Guns (K4531-2-10-45)
- Magnum® PRO Nozzle - 350A, Thread-on, Flush, 3/8 in. (9.5 mm) ID (KP2742-1-38F)
- Copper Plus® Contact Tip - 350A, Tapered, .035 in. (0.9 mm) - 10/pack (KP2744-035T)
- Work Lead 2/0, Tweco® to GC500, 15 ft. (4.6 m) (K4835-2/0-15)

#### DLF-82 Ready-Pak® (K5336-4)

- Flextec® 350X PowerConnect® (Tweco®) (K4273-2)
- DLF-82 Bench Model (w/ Gun) (K5282-3)
- 8.5 ft. (2.6 m) Input Cord
- DLF-Feeder Cart Mounting Bracket (K5395-1)
- Flextec® 350X Locking Foot Kit (K4424-1)
- Cart for Inverter and Wire Feeder (K3059-4)
- Weld Cable Package - Work and Power Lead 2/0 - Tweco® Male and GC500/Tweco® Male and Lug - 10 ft. (3 m) (K1803-2)
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit (3100211)



Shown:  
Flextec® 350X Construction /  
LN-25X® One-Pak® K4278-3



Shown:  
Flextec® 350XP / DLF-82  
Ready-Pak® (K5335-1)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### DLF-82 Education Ready-Pak® (K5336-5)

- Flextec® 350X PowerConnect® (Tweco®) [K4273-2]
- DLF-82 Bench Model (w/ Gun) [K5282-3]
- 8.5 ft. (2.6 m) Input Cord
- DLF-Feeder Cart Mounting Bracket [K5395-1]
- Flextec® 350X Locking Foot Kit [K4424-1]
- Cart for Inverter and Wire Feeder [K3059-4]
- Weld Cable Package - Work and Power Lead 2/0 - Tweco® Male and GC500/Tweco® Male and Lug - 10 ft. (3 m) [K1803-2]
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit [3100211]
- Electrode Holder and Lead #2, Tweco® Plug to EH200, 15 ft. (4.6 m) [K5161-2-15]
- Caliber® 17 Series TIG Torch - Flex/Valve, 12.5 ft. (3.8 m) [K4841-17FV-1]
- 12-Pin Foot Amptrol™ - 25 ft. (7.6m) [K870-2]
- Tweco® Style TIG Torch Cam Lock Adapter, 17 Series [K960-4]

### PIPEFAB™

#### Ready-Pak® (K3734-1)

- PIPEFAB™ Power Source [K3731-1]
- PIPEFAB™ Feeder [K3735-1]
- Magnum® PRO Curve™ HDE™ 350 Welding Guns [K4532-2-10-45]
- Magnum® PRO Curve™ HDE™ 250 Welding Guns [K4531-2-10-45]
- Magnum® PRO Nozzle - 350A, Thread-on, Flush, 1/2 in. (12.7 mm) ID - 25/pack [KP2742-1-50F-B25]
- Magnum® PRO Nozzle - 350A, Thread-on, Flush, 3/8 in. (9.5 mm) ID - 25/pack [KP2742-1-38F-B25]
- PIPEFAB™ Cable Bracket Kit [KP4867-1]
- PIPEFAB™ Feeder and 300C Screen Protector [KP4735-1]
- PIPEFAB™ Dual Bottle Undercarriage [K3736-1]
- Work Lead - Lug and GC500 Ground Clamp (2/0, 350A, 60%) - 15 ft. (4.6 m) [K2150-1]
- Drive Roll Kit, 0.035 in., 0.045 in. (0.9 mm, 1.2 mm), Solid Wire [KP1505-1]
- Copper Plus® Contact Tip - 350A, Tapered, 0.035 in. (0.9 mm) - 10/pack [KP2744-035T]
- Copper Plus® Contact Tip - 350A, Tapered, 0.045 in. (1.2 mm) - 10/pack [KP2744-045T]
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit [3100211]

### Flextec® 500X

#### LF-74 Heavy Duty Ready-Pak® (K3608-2)

- Flextec® 500X Multi-Process Welder [K3607-1]
- LF-74 Wire Feeder, Bench Model, Heavy Duty [K2426-5]
- Magnum® PRO Curve™ 400 Welding Guns [K2952-2-10-45]
- Work Lead - Lug and GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (4.6 m) [K2149-1]
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) [K1842-10]
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) [K1797-10]
- Drive Roll Kit, 0.035 in., 0.045 in. (0.9 mm, 1.2 mm), Solid Wire [KP1505-1]
- Flextec® 500X Locking Foot Kit [K3056-2]
- Cart for Inverter and Wire Feeder [K3059-4]
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit [3100211]

#### Power Feed® 84 Heavy Duty Ready-Pak® (K3608-3)

- Flextec® 500X Multi-Process Welder [K3607-1]
- Locking Foot Kit (Flextec® 500/500P) [K3056-2]
- Power Feed® 84 Single, Heavy Duty Reel, USB [K3328-13]
- Magnum® PRO Curve™ 400 Gun Package, 15 ft. (4.5 m) [K2952-2-10-45]
- Weld Cable [K1842-10]
- Work Lead Package [K2149-1]
- Flow/Reg, 355-2Ar-58010 [3100211]
- Inverter and Wire Feeder Cart [K3059-4]
- Cart Mounting Bracket Kit [K4068-1]
- Drive Roll Kit, 0.035-0.045 in. (0.89-1.14 mm), 4 Roll [KP1505-1]

#### Flex Feed® 84 Ready-Pak® (K3608-4)

- Flextec® 500X Multi-Process Welder [K3607-1]
- Locking Foot Kit (Flextec® 500/500P) [K3056-2]
- Flex Feed® 84, Bench, HD Reel [K5000-2]
- Magnum® PRO Curve™ 400 Gun Package, 15 ft. (4.5 m) [K2952-2-10-45]
- Weld Cable [K1842-10]
- Work Lead Package [K2149-1]
- Flow/Reg, 355-2Ar-58010 [3100211]
- Inverter and Wire Feeder Cart [K3059-4]
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) [K1797-10]
- Feeder Mounting Kit for Inverter Cart [K4068-1]
- Drive Roll Kit, 0.035 in., 0.045 in. (0.9 mm, 1.2 mm), 4 Roll [KP1505-1]



Shown:  
Flextec® 350X PowerConnect® DLF-82 Education Ready-Pak® (K5336-5)



Shown:  
PIPEFAB® Ready-Pak® K3734-1



Shown:  
Flextec® 500X LF-74 Heavy Duty Ready-Pak® (K3608-2)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### LF-74 Heavy Duty One-Pak® (K3612-2)

- Flextec® 500X Multi-Process Welder (K3607-1)
- LF-74 Wire Feeder, Bench Model, Heavy Duty (K2426-5)
- Magnum® PRO Curve™ 400 Gun and Cable Ready-Pak®, 15 ft. (4.5 m) (K2952-2-10-45)
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) (K1842-10)
- Work Lead - Lug and GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (4.6 m) (K2149-1)
- Harris® Gas Regulator/Flowmeter and 10 ft. (3.0 m) Hose Kit (3100211)
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) (K1842-10)
- Drive Roll Kit, 0.035 in., 0.045 in. (0.9 mm, 1.2 mm), Solid Wire (KP1505-1)

### DLF-82 Ready-Pak® (K3608-5)

- Flextec® 500X Multi-Process Welder (K3607-1)
- DLF-82 Bench Model (w/ Gun) (K5282-3)
- DLF-Feeder Cart Mounting Bracket (K5395-1)
- Work Lead - Lug and GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (4.6 m) (K2149-1)
- Flextec® 500X Locking Foot Kit (K3056-2)
- Cart for Inverter and Wire Feeder (K3059-4)
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) (K1842-10)
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit (3100211)

### Flex Feed® 74 HT One-Pak® (K3612-3)

- Flextec® 500X Multi-Process Welder (K3607-1)
- Flex Feed® 74 HT, Simple U/I, Heavy Duty Reel, Gouge Kit (K3883-13)
- Magnum® PRO Curve™ 400 Gun Package, 15 ft. (4.5 m) (K2952-2-10-45)
- Harris® Gas Regulator/Flowmeter and 10 ft. (3.0 m) Hose Kit (3100211)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) (K1842-10)
- Work Lead - Lug and GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (4.6 m) (K2149-1)

### Flex Feed® 84 Heavy Duty One-Pak® (K3612-4)

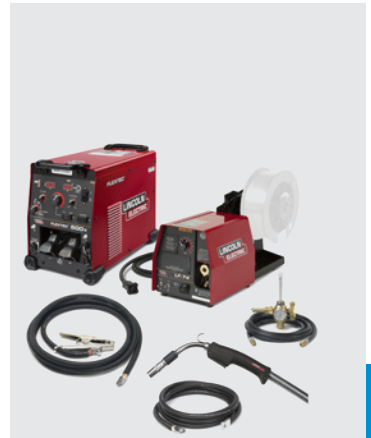
- Flextec® 500X Multi-Process Welder (K3607-1)
- Flex Feed® 84 Single Bench with Heavy Duty Wire Reel Stand (K5000-2)
- Magnum® PRO Curve™ 400 Welding Guns (K2952-2-10-45)
- Work Lead - Lug and GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (4.6 m) (K2149-1)
- Drive Roll Kit 0.040-0.045 in. (1.0-1.1 mm) Solid Wire (KP1505-045S)
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) (K1842-10)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit (3100211)

### Power Feed® 84 Heavy Duty One-Pak® (K3612-5)

- Flextec® 500X Multi-Process Welder (K3607-1)
- Power Feed® 84, Heavy Duty Wire Reel Stand, USB (K3328-13)
- Magnum® PRO Curve™ 400 Gun Package, 15 ft. (4.5 m) (K2952-2-10-45)
- Harris® Gas Regulator/Flowmeter and 10 ft. (3.0 m) Hose Kit (3100211)
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) (K1842-10)
- Work Lead - Lug and GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (4.6 m) (K2149-1)
- Drive Roll Kit, 0.035 in., 0.045 in. (0.9 mm, 1.1 mm), Solid Wire (KP1505-1)

### Power Feed® 25M/Magnum® PRO Aluminum RT Push-Pull One-Pak® (K3612-9)

- Flextec® 500X Multi-Process Welder (K3607-1)
- Power Feed® 25M Plastic Case Wire Feeder (K2536-5)
- Magnum® PRO AL FC 225 Air 12P RT - 25 ft. (7.62 m) (K4795-2)
- Work Lead - Lug and GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (4.6 m) (K2149-1)
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) (K1842-10)
- Drive Roll Kit 3/64 in. (1.2 mm) Aluminum Wire (KP1695-3/64A)
- Drive Roll Kit 1/16 in. (1.6 mm) Aluminum Wire (KP1695-1/16A)
- Model 355-2CD/Air Pressure Compensated Flowmeter Regulator (3100546)



Shown:  
Flextec® 500X LF-74 Heavy Duty  
One-Pak® (K3612-2)



Shown:  
Flextec® 500X / DLF-82  
Ready-Pak® K3608-5



Shown:  
Flextec® 500X/Flex Feed® 74 HT  
One-Pak® K3612-3



## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### Activ8X<sup>®</sup> One-Pak<sup>®</sup> [K3612-1]

- Flextec<sup>®</sup> 500X Multi-Process Welder [K3607-1]
- Activ8X<sup>™</sup> Wire Feeder (Tweco<sup>®</sup>) [K3519-1]
- Magnum<sup>®</sup> PRO Curve<sup>™</sup> 400 Gun Package, 15 ft. [4.5 m] [K2952-2-10-45]
- Drive Roll Kit 0.052 [1.4 mm] Cored Wire [KP1697-52C]

### Power Feed<sup>®</sup> 25M / Magnum<sup>®</sup> PRO Aluminum FT Push-Pull One-Pak<sup>®</sup> [K6554-1]

- Flextec<sup>®</sup> 500X [K3607-1]
- Power Feed<sup>®</sup> 25M [K2536-5]
- Magnum<sup>®</sup> PRO AL FC Push Pull Gun, 25 ft., 12 Pin, Front Trigger [K4797-2]
- 1/16A – Aluminum Drive Roll Kit 1/16 in. [1.6 mm] [KP1695]
- 3/64A – Aluminum Drive Roll Kit 3/64 in. [1.2 mm] [KP1695]
- Gas Flow Regulator [3100546]
- ArcLink<sup>®</sup> [5-Pin] Control Cable - 8 ft. [2.4 m] [K1543-8]
- 3/0 Weld Power Cable - Lug to Lug - 10 ft. [3 m] [K1842-10]
- 4/0 Work Lead & GC500 Ground Clamp - 15 ft. [4.6 m] [K2149-1]

### Flextec<sup>®</sup> 650X

#### Multi-Process Welder w/CrossLinc<sup>™</sup> / LF-74 Ready-Pak<sup>®</sup> [K3512-1]

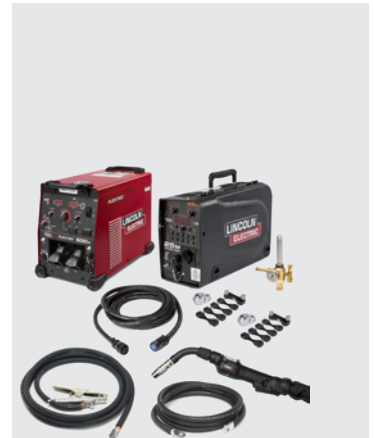
- Flextec<sup>®</sup> 650X Multi-Process Welder with CrossLinc<sup>™</sup> Technology [K3425-1]
- LF-74 Wire Feeder, Bench Model, Heavy Duty [K2426-5]
- Magnum<sup>®</sup> PRO Curve<sup>™</sup> 400 Welding Guns [K2952-2]
- Work Lead - Lug and GC500 Ground Clamp [4/0, 600A, 60%] - 15 ft. [4.6 m] [K2149-1]
- Weld Power Cable - Lug to Lug [3/0, 600A, 60%] - 10 ft. [3 m] [K1842-10]
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. [3 m] [K1797-10]
- Drive Roll Kit 1/16 in. [1.6 mm] Cored Wire [KP1505-1/16C]
- Drive Roll Kit, 0.035 in., 0.045 in. [0.9 mm, 1.2 mm], Solid Wire [KP1505-1]
- Cart for Inverter and Wire Feeder [K3059-4]
- Cable Liner 0.052-1/16 in. [1.3-1.6 mm] 15 ft. [4.6 m] [KP44-116-15]
- Connector Kit - LF-72-74, LN-25<sup>®</sup> Pro, Power Feed<sup>®</sup> 25M [K466-10]
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit [3100211]

### LF-74 Heavy Duty One-Pak<sup>®</sup> [K3513-1]

- Flextec<sup>®</sup> 650X Multi-Process Welder with CrossLinc<sup>™</sup> Technology [K3425-1]
- LF-74 Wire Feeder, Bench Model, Heavy Duty [K2426-5]
- Magnum<sup>®</sup> PRO Curve<sup>™</sup> 400 Welding Guns [K2952-2]
- Drive Roll Kit 1/16 in. [1.6 mm] Cored Wire [KP1505-1/16C]
- Drive Roll Kit, 0.035 in., 0.045 in. [0.9 mm, 1.2 mm], Solid Wire [KP1505-1]
- Work Lead - Lug and GC500 Ground Clamp [4/0, 600A, 60%] - 15 ft. [4.6 m] [K2149-1]
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. [3 m] [K1797-10]
- Weld Power Cable - Lug to Lug [3/0, 600A, 60%] - 10 ft. [3 m] [K1842-10]
- Cable Liner 0.052-1/16 in. [1.3-1.6 mm] 15 ft. [4.6 m] [KP44-116-15]
- Connector Kit - LF-72-74, LN-25<sup>®</sup> Pro, Power Feed<sup>®</sup> 25M [K466-10]
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit [3100211]

### Flex Feed<sup>®</sup> 84 One-Pak<sup>®</sup> [K3514-1]

- Flextec<sup>®</sup> 650X Multi-Process Welder with CrossLinc<sup>™</sup> Technology [K3425-1]
- Flex Feed<sup>®</sup> 84 Single Bench with Heavy Duty Wire Reel Stand [K5000-2]
- Magnum<sup>®</sup> PRO Curve<sup>™</sup> 400 Welding Guns [K2952-2]
- Work Lead - Lug and GC500 Ground Clamp [4/0, 600A, 60%] - 15 ft. [4.6 m] [K2149-1]
- Drive Roll Kit 1/16 in. [1.6 mm] Cored Wire [KP1505-1/16C]
- Drive Roll Kit, 0.035 in., 0.045 in. [0.9 mm, 1.2 mm], Solid Wire [KP1505-1]
- Weld Power Cable - Lug to Lug [3/0, 600A, 60%] - 10 ft. [3 m] [K1842-10]
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. [3 m] [K1797-10]
- Cable Liner 0.052-1/16 in. [1.3-1.6 mm] 15 ft. [4.6 m] [KP44-116-15]
- Connector Kit - LF-72-74, LN-25<sup>®</sup> Pro, Power Feed<sup>®</sup> 25M [K466-10]
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit [3100211]



Shown:  
Flextec<sup>®</sup> 500X Power Feed<sup>®</sup> 25M/  
Magnum<sup>®</sup> PRO Aluminum RT Push-  
Pull One-Pak<sup>®</sup> [K3612-9]



Shown:  
Flextec<sup>®</sup> 650X Multi-Process  
Welder w/CrossLinc<sup>™</sup> / LF-74  
Ready-Pak<sup>®</sup> K3512-1



Shown:  
Flextec<sup>®</sup> 650X Multi-Process Welder  
w/CrossLinc<sup>™</sup> / Flex Feed<sup>®</sup> 84  
One-Pak<sup>®</sup> K3514-1

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### Arc Tracker®

#### Base Model (K3019-1)

- Detachable input cord 6 ft. (1.8 m) with NEMA 5-15P plug and an IEC 60320 plug receptacle
- Polarity specific arc voltage remote sense leads 15 ft. (4.6 m) (Qty. 2)



Shown:  
Arc Tracker® Data Monitor  
(K3019-1)

# Accessories

Product Name	Product No.	Flextec® 350X			Flextec® 500X			Idealarc® DC600		Flextec® 650X
		Base Model Construction	Base Model XP	Base Model	Base Model	Base Model w/Multi-Process Switch	Base Model w/Meters	Base Model w/Meters	Base Model	
		K4271-2	K4272-2	K4273-2	K3607-1	K1288-18	K1288-17	K1288-22	K3425-1	
<b>GENERAL</b>										
Arc Tracker® Data Monitor	K3019-1	•	•	•	•	•	•	•	•	
Deluxe Adjustable Gas Regulator & Hose Kit, 4.3 ft. (1.3 m)	K586-1	•	•	•	•	•	•	•	•	
Weld Cable Package - Work Lead 2/0 - Twist Mate™ & GC500 - 15 ft. (4.6 m) / Power Lead 2/0 - TM & Lug - 10 ft. (3 m)	K1803-1	•	•	•	•	•	•	•	•	
Weld Power Cable, Lug to Lug (3/0, 600A, 60%), 10 ft. (3.0 m)	K1842-10				•	•	•	•	•	
Weld Cable Package Work and Power Lead 2/0 - Tweco® Male & GC500/Tweco® Male & Lug - 10 ft. (3 m)	K1803-2	•	•	•	•					
LC-40 – Tweco® Style Plug (male, 1/0 thru 2/0), (50-70 mm)	K3416-70	•	•	•						
LC-40HD – Tweco® Style Plug (male, 3/0 thru 4/0), (70-70-95 mm)	K3416-90	•	•	•						
LC-40 – Tweco® Style Receptacle (female, 1/0 thru 2/0), (50-70 mm)	K3417-70	•	•	•						
LC-40HD – Tweco® Style Receptacle (female, 3/0 thru 4/0), (70-70-95 mm)	K3417-90	•	•	•						
Single Cylinder Inverter and Wire Feeder Cart <sup>(4)</sup>	K3059-4	•	•	•	•				•	
Dual Cylinder Inverter and Wire Feeder Cart <sup>(4)</sup>	K3059-5	•	•	•	•				•	
Inverter Cart Mounting Bracket Kit	K4068-1	•	•	•	•				•	
Idealarc® DC600 Undercarriage	K842					•	•	•		
All-Terrain Undercarriage	K1737-1					•	•	•		
Work Lead - Lug & GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (4.6 m)	K2149-1				•	•	•	•	•	
Paralleling Kit (codes above 10500) <sup>(3)</sup>	K1611-1					•	•	•		
Paralleling Kit (codes below 10500) <sup>(3)</sup>	K1897-1					•	•	•		
Flextec® 350X Locking Foot Kit	K4424-1	•	•	•						
Flextec® 500X Locking Foot Kit	K3056-2				•					
Multi-Process Switch	K3091-1	•	•	•	•				•	
Multi-Process Switch	K804-1					•	•	•		
GFCI Kit	K3157-1								•	
Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit	3100211	•	•	•	•	•	•	•	•	
Weld Fume Control System	—	•	•	•	•	•	•	•	•	

<sup>(1)</sup>K3056-1 (Flextec® 500X) or K4424-1 (Flextec® 350X) Base Mounting Kit suggested for securing power source to cart

<sup>(3)</sup>Cannot be used with VRD™ models

<sup>(4)</sup>K4068-1 Inverter Cart Mounting Kit suggested for feeder mounting to cart

• Optional

# Accessories

Product Name	Product No.	Flextec® 350X			Flextec® 350X PowerConnect®			Flextec® 500X			Idealarc® DL600			Flextec® 650X		
		Base Model Construction	Base Model XP	Base Model	Base Model	Base Model	Base Model w/Multi-Process Switch	Base Model w/Meters	Base Model w/Meters	Base Model	Base Model	Base Model	Base Model			
		K4271-2	K4272-2	K4273-2	K3607-1	K1288-18	K1288-17	K1288-22								
<b>STICK</b>																
CrossLinc® Remote	K4345-1	•	•	•	•											•
Accessory Kit, 400 Amp	K704				•	•	•	•								•
Remote Output Control, 6-pin, 25 ft. (7.6 m)	K857					•	•	•								
Remote Output Control, 6-pin, 100 ft. (30.5 m)[compatible with Flextec® machines with use of K2909-1, 12-6 pin adapter]	K857-1					•	•	•								•
Remote Output Control, 12-pin Universal Connector, 25 ft. (7.6 m)	K857-2	•	•	•	•											•
Remote Output Control, 12-pin Universal Connector, 100 ft. (30.5 m)	K857-3	•	•	•	•											•
Remote Control Cable Adapter	K864					•	•	•								
<b>TIG</b>																
12-pin (M) to 6-pin (F) Adapter	K2909-1	•	•	•	•											•
Adapter Cable – Female 14-pin Control Cable to Terminal Strip	K1798					•	•	•								
Hand Amptrol™ (Rotary Track Style, 6-pin) 25 ft. (7.6m)	K963-3	•	•	•	•	•	•	•								•
Hand Amptrol™ (Rotary Track Style, 12-pin) 25 ft. (7.6 m)	K963-4	•	•	•	•											
Foot Amptrol™ with 6-pin Connector 25 ft. (7.6m)	K870					•	•	•								•
12-Pin (M) to 6-Pin (F) Adapter	K2909-1	•	•	•	•											•
Foot Pedal, Wireless for TIG Welding	K4986-1	•	•	•	•											
Foot Amptrol™ with 12-pin Connector 25 ft. (7.6m)	K870-2	•	•	•	•											•
Amptrol™ Adapter Kit (terminal strip to 6-pin)	K843					•	•	•								
Arc Start™ Switch (6-pin)	K814	•	•	•	•											•
Adapter Kit, TIG PTA-9/PTA-17	K1622-1				•											•
Adapter Kit, TIG Torch PTA-26	K1622-3				•											•
Adapter Kit, PTW-18/PTW-20	K1622-4				•											•
Adapter Cable Set, V-TIG Torch Twist Mate™ to Stud	K2505-2				•											•
Adapter, Tweco® Style TIG Torch Cam Lock 17 Series	K960-4	•	•	•												
Adapter Kit, TIG Tweco® Assembly	K1622-6	•	•	•												
Adapter, Tweco® Style TIG Torch Cam Lock 26 Series	K960-3	•	•	•												
TIG Module Docking Kit	K939-1					•	•	•								
Deluxe Adjustable Gas Regulator & Hose Kit, 4.3 ft. (1.2 m)	K586-1	•	•	•	•	•	•	•								•
<b>2-YEAR EXTENDED WARRANTY AVAILABLE</b>	—	•	•	•	•	•	•	•								•

• Optional





# ADVANCED PROCESS WELDERS

	Mode	Polarity	Current Range (Amps)	Stick	TIG	AC/DC TIG	MIG	STT® MIG	HyperFill™	AC MIG	Pulsed MIG	Low Fume Pulse™	Flux-Cored	Arc Gouge	Phase	Hertz	Waveform Control Technology®	ArcLink® Digital Communication	Inverter Efficiency
<b>PIPEFAB™</b>	CC/CV	DC	5-400	●	●		●	●	●		●	●	●	●	3	50/60	●	●	●
<b>Power Wave® 300C Advanced</b>	CC/CV	AC/DC	5-350	●	●	●	●	●		●	●	●	●	●	1,3	50/60	●	●	●
<b>Power Wave® S350</b>	CC/CV	DC	5-350	●	●	○	●	○		○	●		●		1,3	50/60	●	●	●
<b>Power Wave® R450</b>	CC/CV	DC	5-550		●	○	●	●	●	○	●	○	●		3	50/60	●	●	●
<b>Power Wave® S500</b>	CC/CV	DC	5-550	●	●	○	●	○	●	○	●	○	●	●	3	50/60	●	●	●
<b>Power Wave® S700</b>	CC/CV	DC	20-900	●	●		●		●		●		●	●	3	50/60	●	●	●
<b>Power Wave® Advanced Module</b>	CC/CV	AC/DC	NA			●		●		●	●				NA	NA	●	●	●
<b>Power Wave® STT® Module</b>	STT®	DC	NA					●			●				NA	NA	●	●	●

KEY: ● Excellent    ● Good    ● Optional

# PIPEFAB™

## The Ideal Setup for Pipe & Vessel Fabrication

- Breakthrough arc performance with weld modes fine-tuned for pipe and vessel fabrication
- Straightforward and simple control with digital user interface and one-click process selection
- Ready-to-Run™ design and Cable View™ technology to monitor cable inductance
- Industry-leading 5-year warranty



**Processes**

- Stick
- TIG
- MIG
- STT® MIG
- Pulsed MIG
- Flux-Cored
- HyperFill™
- Low Fume Pulse™

**Output**



**Input**



**Literature**

E5.13

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
<b>PIPEFAB™ Power Source</b>	K3731-1	200-208/220-230/ 380-415/460/575	STICK: 55-400A/36V/100% MIG: 40-400A/26V/100% FLUX-CORED: 40-400A/26V/100% TIG: 5-400A/26V100%	53/46/26/24/19	5-400A	22.1 x 17.5 x 34.8 (561.3 x 444.5 x 883.9)	206.5 (93.7)
<b>Feeder</b>	K3735-1	40V DC				14.5 in x 22 in x 30.2 (368.3 x 558.8 x 767)	80 (36.3)
<b>Ready-Pak®</b>	K3734-1	—				43.5 x 30.9 x 48.5 (1104.9 x 784.9 x 1231.9)	340 (154.2)

# Power Wave® 300C

## The Ultimate All-In-One Machine

- Best-In-Class 300A 100% Duty Cycle Performance
- True all-process versatility including advanced weld modes and integrated high frequency and AC/DC capabilities
- Intelligent, operator-focused interface and powerful Industry 4.0 capabilities including CheckPoint® Production Monitoring
- PowerConnect® Technology allows for 200V-600V input power while maintaining consistent and reliable arc performance



### Processes

- Stick
- AC TIG\*
- DC TIG
- MIG
- STT\* MIG\*
- AC MIG\*
- Pulsed MIG
- Low Fume Pulse\*
- Flux-Cored

### Output



### Input



### Literature

E5.102

Product Name	Product Number	Input Power Voltage /Phase/Hertz	Output Range	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	H x W x D in (mm)	Net Wt lb (kg)
<b>Power Wave® 300C Standard</b>	K4487-1	208/230/400/460/ 575/1/3/50/60	5-350A	GMAW: 350A / 31.5 V / 40% GMAW: 300A / 29 V / 100%	39/35/22/18/14.5 [57/52/NA/32/NA]	39.7 x 39.4 x 20.5 (1008 x 1001 x 521)	194 (88)
<b>Advanced</b>	K4488-1			SMAW: 325A / 33V / 40% SMAW: 280A / 31.2V / 100%	44/40/25/20/16.5 [61/58/NA/34/NA]		214 (97)
<b>Advanced Education One-Pak*</b>	K4934-1			FCAW: 350A / 31.5 V / 40% FCAW: 300A / 29 V / 100%			259 (118)
<b>Advanced CE Model</b>	K4490-5	208/230/400/3/50/60		GMAW: 325A/30.3V/40% GMAW: 300A/29V/100%	44/40/25		194 (88)
				SMAW: 325A/33V/40% SMAW: 280A/31.2V/100%			
				FCAW: 350A/31.5V/40% FCAW: 300A/29V/100%			
				GTAW: 350A/24V/40% GTAW: 300A/22V/100%			

\*Only available on the Power Wave® 300C Advanced (K4488-1).

## Power Wave® S350

### Portable, Powerful, Multi-Process

- Equipped with a complete portfolio of high-performance wave forms, providing flexibility to tackle any welding application
- Comes standard with Power Wave® Manager software tools, simplifying welding setup and operation
- CheckPoint™ software allows you to track equipment usage, store weld data, configure fault limits and more
- Compact and durable case is IP23-rated to withstand harsh environments
- PowerConnect® Technology automatically adjusts input power from 200-600V, 50 or 60 Hz, three phase. Welding output remains constant through the entire input voltage range



#### Processes

- Stick
- DC TIG
- Pulsed DC TIG
- MIG
- Pulsed MIG
- Flux-Cored

#### Output



#### Input



#### Literature

E5.110

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
<b>Power Wave® S350 Advanced Base Model</b>	K2823-3	208/230/380-415/460/575/1/3/50/60	GMAW: 350A/31.5V/40% <sup>(1)</sup> 300A/29V/100%	3-Ph/40% Duty Cycle: 39/35/19/17/14A	5-350A <sup>(3)</sup>	20.40 x 14 x 24.80 (518 x 356 x 630)	85 (38.6)
<b>Ready-Pak® [Steel]</b>	K3005-3		SMAW: 325A/33V/40% <sup>(1)</sup> 250A/30V/100%	3-Ph/100% Duty Cycle: 31/28/15/14/11A		52 x 39 x 26 (1321 x 991 x 660)	450 (204.1)
<b>Air-Cooled Magnum® PRO Pistol Grip Aluminum 25 ft. (7.6 m) One-Pak®</b>	K3553-1		GTAW-DC: 350A/24V/40% 300A/22V/100%	1-Ph/40% Duty Cycle: 60/67 <sup>(2)</sup> /na/na/na			
<b>Water-Cooled Magnum® PRO Pistol Grip Aluminum 25 ft. (7.6 m) One-Pak®</b>	K3554-1			1-Ph/100% Duty Cycle: 60/53/na/na/na			

<sup>(1)</sup>230 Volt/1 Phase inputs, the peak rating is at 30% duty cycle, except for GTAW. <sup>(2)</sup>Based on the U.S. National Electrical Code. <sup>(3)</sup>On 208 Volt inputs, the maximum output is limited to 300 amps.



## Power Wave® R450

### Industry's Most Capable 450A Robotic Power Source

- Fastest cycle times made possible with the world's fastest robotic interface - ArcLink®
- Track essential welding data with Lincoln Electric's CheckPoint® production monitoring solution
- High-performance pulse wave forms, including RapidArc®, Precision Pulse™, Pulse-on-Pulse™ and others
- Flexibility to add or connect modules, fume control, water coolers, computers or other accessories



Shown: Power Wave® R450 w/ Wi-Fi & Bluetooth

#### Processes

- TIG
- Pulsed TIG
- MIG
- Pulsed MIG
- Flux-Cored
- Hyperfill™
- Low Fume Pulse™\* (R450)

#### Output



#### Input



#### Literature

E5.171 (Power Wave® R450)

\*NOTE:  
w/Use of STT® or Advanced Module

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
<b>Power Wave® R450 Base Model</b>	K3451-1	208/230/308-415/460/575/3/50/60	GMAW: 550A/41.5V/40% 450A/36.5V/100%	3-Ph/40% Duty Cycle: 80/73/41/37/29A	5-550A	22.5 x 14 x 24.8 (571 x 355 x 630)	150 (68)
<b>with Wi-Fi and Bluetooth</b>	K3451-2	208/230/1/50/60 <sup>64</sup>	GTAW-DC: 550A/32V/40% 450A/28V/100%	3-Ph/100% Duty Cycle: 60/54/30/27/21A			
<b>AutoDrive® 19 Controller</b>	K3004-2	40V DC/1.0A	NA	NA	NA	8.8 x 10.4 x 3.1 (224 x 264 x 80)	7 (3.2)
<b>AutoDrive® 19 Tandem Controller</b>	K3171-1	40V DC/1.0A	NA	NA	NA	8.8 x 10.4 x 3.1 (224 x 264 x 80)	7 (3.2)

<sup>64</sup> Single phase rating has reduced output characteristics. Contact Lincoln Electric for more information

# Power Wave® S500

## Multi-Process Power and Versatility

- Equipped with a complete portfolio of high-performance wave forms, providing flexibility to tackle any welding application
- Comes standard with Power Wave® Manager software tools, simplifying welding setup and operation
- CheckPoint™ software allows you to track equipment usage, store weld data, configure fault limits and more
- Compact and durable case is IP23-rated to withstand harsh environments



### Processes

- Stick
- DC TIG
- Pulsed DC TIG
- MIG
- Pulsed MIG
- Flux-Cored
- HyperFill™
- \*Low Fume Pulse™

### Output



### Input



### Literature

E5.115 and E12.360

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
<b>Power Wave® S500 Base Model</b>	K2904-1	200/208/220/230/380/400/415 460/575/3/50/60	GMAW: 550A/41.5V/40% 450A/36.5V/100%	3-Ph/40% Duty Cycle: 80/73/41/37/29A	5-550A	22.5 x 14 x 24.8 (571 x 355 x 630)	150 (68)
w/Power Feed® 84 Ready-Pak®	K3187-2		SMAW: 550A/42V/40% 450A/38V/100%	3-Ph/100% Duty Cycle: 60/54/30/27/21A		51.7 x 34.4 x 53.4 (1313 x 874 x 1356)	376 (171)
w/Power Feed® 84 One-Pak®	K3186-2		GTAW-DC: 550A/32V/40% 450A/38V/100%			—	—
CE Advanced Process Welder	K3168-1					22.5 x 14 x 24.8 (571 x 355 x 630)	150 (68)
HyperFill® Reveal™ Power Feed® 84 Dual Ready-Pak® Single Cart	K4650-4						450 (204.12)
HyperFill® Reveal™ Power Feed® 84 Single Ready-Pak®	K4650-5						
HyperFill® Reveal™ Power Feed® 84 Dual Ready-Pak® Dual Cart	K4650-6						

\*NOTE: w/Use of STT® or Advanced Module

## Power Wave® S700

### High Output Power for Automated Environments

- Intended for high amperage, high-duty cycle semiautomatic, hard automation or robotic applications in heavy equipment, transportation and other industries
- Wide input voltage range to accommodate global operations (200-575 VAC, 3 phase, 50/60 Hz voltage)
- Power Wave® Manager and digital ArcLink® Ethernet communication allows for easy system configuration and customization
- Fan-As-Needed™ reduces power consumption by shutting the fan down when it is not needed



#### Processes

- Stick
- TIG
- MIG
- Pulsed MIG
- Flux-Cored
- SAW
- Tandem MIG\*
- Carbon Arc Gouging
- HyperFill™
- HDT

#### Output



#### Input



#### Literature

E5.120

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Power Wave® S700	K3279-1 <sup>(1)</sup>	380-415/440-460/500/575/3/50/60	700/44/100% (900A/44/60%)	55/46/42/38A (74/60/56/49A)	20-900A	30.1 x 19.1 x 36.7 (765 x 485 x 932)	385 (175)
CCC	K3279-2						
200V	K3557-1	200/230/3/50/60		106/92A (138/120A)			
CE	K5372-1	380-415/460-480/500/3/50, 60		55A/46A/42A/ [72A/60A/54A]			

<sup>(1)</sup>Internal filter is required to meet CE conducted emission requirements. K2444-4 CE Filter must be used with K3279-1.

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Power Wave® Wireless Connectivity Module

### Simplifying Machine Connectivity

- Plant-Wide Connection – Easily connect existing or remote Power Wave® systems for complete visibility to your welding operation
- Quick & Easy Installation – Modular design allows for hassle-free installation without the need for extensive machine downtime
- Local Display - Convenient voltage and amperage metering directly on the power source
- Adds MQTT support for telemetry data collection



#### Connection

- Wi-Fi 802.11 a/b/g/n (Wi-Fi 1/2/3/4)
- Ethernet

#### Compatible Power Sources

- Power Wave® S350
- Power Wave® S500
- Power Wave® R450
- Power Wave® S700

#### Literature

MC18-12

Product Name	Product Number	Connectivity	Encryption
Power Wave® Wireless Connectivity Module	K4352-1	Wi-Fi 802.11 a/b/g/n @ 2.4 GHz and earlier Ethernet Port	WEP WPA WPA2 WPA ENT
For S700 Only	K4352-2		

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## APEX® 30S Mechanized Controller

### Superior Control Systems for Mechanized Welding

- One platform for multiple welding processes including FCAW, GMAW, GTAW, and Hot Wire GTAW
- Extremely precise mechanized welding control for fixed and out-of-position in orbital or flat track applications
- Integrated gas solenoid and flow sensor for reduced footprint and cable clutter
- Intuitive, lightweight pendant provides straightforward operation and provides lowest learning curve in the industry



**Processes**

- MIG
- Pulsed MIG
- Flux-Cored
- GMAW- STT\*
- GTAW
- Hot Wire GTAW

**Output**



**Literature**

E9.624

Product Name	Product Number	Input Power	Dimensions L x W x H in (mm)	Net Wt lb (kg)
APEX® 30S Mechanized Controller	K52217-1	40 VDC	25.33 x 11 x 14.33 (644.4 x 279.4 x 363.2)	36 (16)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Power Wave® Advanced Module

### Expand Your Welding Capabilities

- Adds AC waveform control for Pulsed MIG, and Gas Tungsten Arc (TIG) Welding
- Hi-frequency starting for TIG welding capability
- Modular design allows easy connection and fast digital communication with compatible Power Wave® models
- Includes STT® process capability, making this module ideal for automotive, pipe and thin metal applications



**Processes**

- GMAW-STT\*
- GMAW
- GMAW-P
- GTAW
- SMAW

**Output**



**Input**



**Literature**

E5.191

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/ Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt lb (kg)
Power Wave® Advanced Module	K3685-1	40V DC	100% Duty Cycle <sup>(1)</sup> : 300A @ 32V  40% Duty Cycle <sup>(1)</sup> : 350A @ 34V  Peak (Max) <sup>(1)</sup> : 600A	n/a	n/a	11.5 x 14 x 25 (292 x 356 x 635)	70.5 (32)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## Power Wave® STT® Process Module

### Add STT® for Exceptional Arc Control

- Add STT® (Surface Tension Transfer®) process capability to any S-Series Power Wave® for enhanced puddle and burnthrough control
- Improve performance on thin metal or critical pipe root pass welding applications
- Modular design allows easy connection and fast digital communication with compatible S-Series Power Wave® models, Power Feed™ wire feeders, and compatible water coolers



**Processes**

- GMAW-STT®
- Low Fume Pulse™ (S500 or R450)

**Output**



**Input**



**Literature**

E5.190

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (cm)	Net Wt lb (kg)
Power Wave® STT® Process Module	K2902-1	40V DC	100% Duty Cycle <sup>(1)</sup> : 450A	n/a	n/a	11.5 x 13.9 x 25.4 (29.2 x 35.3 x 64.5)	47 (21.3)
CE Process Module	K2921-1		60% Duty Cycle <sup>(1)</sup> : 500A 40% Duty Cycle <sup>(1)</sup> : 550A Peak [Max] <sup>(1)</sup> : 750A				

<sup>(1)</sup>Host welding power source will be limited to these outputs.  
<sup>(2)</sup>Dependent on host welding power source output.

**⚠** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## APEX® 30M Mechanized Controller

### Portable Orbital Welding

- Portable mechanized control with integrated wire feeder for a lightweight, mobile solution for the shop or the field
- Designed with the patented MAXTRAC® Wire Drive System, for superior wire-feeding performance
- Extremely precise mechanized welding control for fixed and out-of-position applications
- Intuitive, lightweight pendant provides straightforward operation and provides lowest learning curve in the industry



**Processes**

- MIG
- Pulsed MIG
- Flux-Cored
- GMAW – STT®

**Output**



**Input**



**Literature**

E9.623

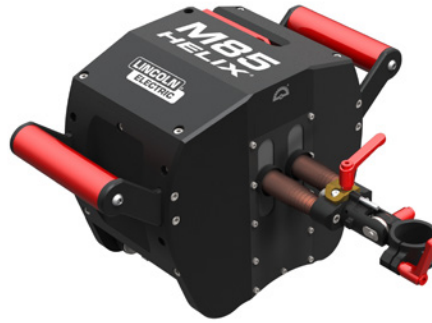
Product Name	Product Number	Input Power	Rated Output Current / Duty Cycle	Wire Feed Speed ipm (m/min)	Wire Spool Size lb (kg)	H x W x D in (mm)	Net Wt lb (kg)
APEX® 30M Mechanized Controller	K52160-1	40VDC	500A / 60% 450A / 100%	30-1200 (76-3048)	10 - 33 (4.5 - 15)	14.4 x 11.0 x 25.4 (366 x 279 x 645)	49 (22)

**⚠** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## HELIX® M85 Weld Head

### Next Generation Mechanized Weld Head

- Incorporates digital capabilities in an intuitive, ergonomic design
- Toolless Torch Adjustments: Easily position the torch along three axes with in/out, up/down, and circumferential adjustments
- Lightweight – mounts in seconds to our patented orbital and flat tracks



**Processes**

- GMAW/FCAW
- GTAW
- Hot Wire GTAW

**Input**



**Literature**

E9.616

Product Name	Product Number	Input Voltage	Input Current	Travel Speed ipm (mm)	Clearance in (mm)		Oscillation Stroke in. (mm)	Motorized Height Control Stroke in (mm)	Lead/Lag	Torch Tilt		H x W x D in (mm)
					Radial in. (mm)	Axial in. (mm)				In	Out	
HELIX® M85 Weld Head	K52101-1	24V DC	9A Max	0.1 min-120 max (2.54 min-3048 max)	8.5 (215.9)	19.75 (501.7)	2.00 (50.8)	2.00 (50.8)	360°	60° max	30° max	8.33 x 14.25 x 6.85 (211 x 362 x 174)
APEX® 30M HELIX® M85 MIG Ready-Pak®	K52165-2	40V DC	3PH/40% - 80/73/41/37/29A 3PH/100% - 60/54/30/27/21A									45 x 29 x 45 (1130 x 737 x 1143)
APEX® 30M HELIX® M85 MIG Ready-Pak® CE	K52165-5											
APEX® 30S HELIX® M85 MIG Ready-Pak®	K52257-1	24V AC										36 x 29 x 45 (914 x 737 x 1143)
APEX® 30S HELIX® 30S M85 MIG Ready-Pak® CE	K52257-2											
APEX® 30S HELIX® M85 TIG Ready-Pak®	K52260-1											48 x 29 x 45 (1207 x 737 x 1143)
APEX® 30S HELIX® M85 TIG Ready-Pak® CE	K52260-2											
APEX® 30S HELIX® M85 Hot Wire TIG Ready-Pak®	K52266-1											56 x 32 x 28 (1410 x 813 x 711)
APEX® 30S HELIX® M85 Hot Wire TIG Ready-Pak® CE	K52266-2											

## HELIX® M4X™

### Precision Track-Based Welding with a Low Profile Head

- Low radial clearance, 4.67 to 6.94 in., depending on the torch configuration
- Utilizing the latest in digital motor control technology, it features consistent performance without the need for manual calibration at startup
- APEX® Auto Height, Auto Sector and Auto Path Technology provides advanced travel speed and true oscillation width/speed control that delivers repeatable welds with minimal setup
- Water-cooled torches help eliminate overheating



**Processes**

- GMAW
- FCAW
- GTAW
- Hot Wire GTAW

**Input**



**Literature**

E9.625

Product Name	Product Number	Input Power	Input Current	Travel Speed in/min [cm/min]	Clearance - in (mm)		Oscillation Stroke in (mm)	Motorized Height Control Stroke	Lead/Lag Range	Torch Tilt		Dimensions H x W x D in (mm)
					Radial in. (mm)	Axial in. (mm)				In	Out	
HELIX® M4X™ Weld Head	K52318-1	24V DC	9A max	0.10 - 100 [0.25 - 254]	GMAW/ FCAW	GMAW/ FCAW	3.50 [89]	1.90 [48.3]	+/- 15°	18° Max	21° Max	4.84 x 24.93 x 14.27 [123.0 x 633.2 x 362.4]
APEX® 30S MIG Ready-Pak®	K52325-1				6.94 [176]	13.62 [346]						
APEX® 30S TIG Ready-Pak®	K52326-1				GTAW	GTAW						
APEX® 30S Hot Wire TIG Ready-Pak®	K52327-1				4.67 [119]	14.64 [372]						

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## HELIX® M627 Clamp-On Orbital TIG Weld Head

### Mechanized GTAW - Simplified

- APEX® Auto Height, Auto Sector and AutoPilot Technology provides advanced travel speed and true oscillation width/speed control that delivers repeatable welds with minimal setup
- On-board wire feeder for improved ease-of-use
- Intelligent connectivity with auto calibration on power up
- Low 2.87 in. (72.9 mm) radial clearance
- Water-cooled motor housing and torch helps eliminate overheating



**Processes**

- GTAW
- Pulsed

**Output**



**Input**



**Literature**

E9.63

Product Name	Product Number	Input Power	Travel Speed rpm	Wire Feed Speed ipm (cm/pm)	Wire Size Range in (mm)	Clearance - in (mm)		Oscillation Stroke in (mm)	Electrode to Front in (mm)	Dimensions H x W x D in (mm)	Net Wt lb (kg)
						Radial in. (mm)	Axial in. (mm)				
HELIX® M627 Weld Head	K52283-1	24V DC	.04-4.76	3-300 [7.6-762]	0.030-0.045 [0.8-1.2]	2.87 [72.9]	8.32 [211.3]	1.00 [25.4]	0.75 [19.1]	8.32 x 11.4 x 26.0 [211.3 x 289.5 x 660.4]	32 [14.5]
APEX® 30S TIG Ready-Pak®	K52285-1										

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

# Advanced MIG (GMAW) Processes

Your local Lincoln Electric distributor and Lincoln Electric Technical Sales Representative, backed by our Applications Engineering Department, can help you select the advanced process and equipment that can improve your results. Request a demo to see how we can help reduce costs, enhance quality or increase productivity in your operations.

PROCESS	DESCRIPTION	PRODUCT
CV	<b>Steel, Stainless &amp; Aluminum</b> » CV is the conventional mode for MIG welding. This general purpose MIG welding mode uses constant voltage for short arc, globular and spray transfer.	Power Wave® 300C, S350, R450, S500, S700 PIPEFAB™
STT®	<b>Steel, Stainless &amp; High Nickel</b> » This precision MIG mode delivers premium and consistent root pass results on pipe with low reject rates and excellent gap bridging capabilities. STT® can also be used to reduce spatter and control heat input on sheet metal applications.	Power Wave® 300C*, S350, R450, S500 all w/STT® or Advanced Module PIPEFAB™
AC-STT®	<b>Steel</b> » Based off of the patented STT® process, AC-STT® combines the proven spatter-reducing technology of the STT® waveform with the balanced heat-input characteristics of AC GMAW, producing an advanced shortcircuit process optimized specifically for thin-gauge materials.	Power Wave® 300C*, S350, R450, S500 all w/Advanced Module PIPEFAB™
Pulse	<b>Steel, Stainless, Aluminum &amp; more</b> » Traditional MIG pulse mode uses a pulse for the metal transfer, which avoids a short and allows for a wide operating range, characterized by low to high wire feed speed, many different materials and virtually no spatter.	Power Wave® 300C, S350, R450, S500, S700
Low Fume Pulse™	<b>Steel</b> » Low Fume Pulse™ simplifies the balancing act between weld-fume control and weld floor productivity. Developed to be a win-win solution, this advanced pulsed welding process maximizes arc performance while effectively controlling heat-input.	Power Wave® 300C*, R450, S500 all w/STT® or Advanced Module PIPEFAB™
Smart Pulse®	<b>Steel &amp; Stainless</b> » Enhanced MIG pulse mode that maximizes pulse welding performance and simplicity by auto-adjusting the pulse waveform based on machine settings. Set a low WFS and Smart Pulse® auto-adjusts for a narrow, focused arc. Set a high WFS, Smart Pulse auto-adjusts for a wide, soft arc.	PIPEFAB™ Power Wave 300C*
Precision Pulse™	<b>Steel &amp; Stainless</b> » This enhanced MIG pulse mode features a tight, focused arc for fast vertical up welding and outstanding out-of-position puddle control.	Power Wave® 300C, S350, R450, S500
Pulse-on-Pulse®	<b>Aluminum</b> » This arc modulation MIG pulse mode can deliver a TIG (GTAW)-like bead appearance.	Power Wave® S350, R450, S500 all w/STT® or Advanced Module
AC Precision Pulse™	<b>Aluminum</b> » With the help of the Power Wave® Advanced Module, GMAW aluminum welding results can be improved over traditional DC positive aluminum MIG welding. By switching the polarity of the arc, heat input is reduced and deposition rates are enhanced.	Power Wave® 300C*, S350, R450, S500 all w/Advanced Module
RapidArc®	<b>Steel &amp; Stainless</b> » RapidArc® is an accelerated MIG pulse mode with a short arc length compared to pulse and CV-spray for high travel speed applications.	Power Wave® 300C, S350, R450, S500, S700
Rapid X®	<b>Steel &amp; Stainless</b> » Rapid X® is a premium MIG pulse mode designed to deliver higher travels speeds and extremely low spatter levels.	Power Wave® 300C*, S350, R450, S500 all w/STT® or Advanced Module
Rapid Z®	<b>Zinc</b> » Rapid Z® is a process designed to increase stability and travel speeds, while reducing spatter and internal porosity on Zinc coated materials.	Power Wave® S350, R450, S500 all w/STT® or Advanced Module
Power Mode®	<b>Steel, Stainless &amp; Aluminum</b> » This enhanced MIG mode can deliver excellent arc stability with reduced spatter at high travels speeds, resulting from an extended short arc range at higher wire feed speed procedures. It also yields a tight and stable arc in spray transfer.	Power Wave® S350, R450, S500 all w/STT® or Advanced Module PIPEFAB™
HyperFill™	<b>Steel</b> » Patented Twin Wire GMAW process designed to increase the usable deposition rate of GMAW operations without the setup difficulty. Process uses two wires but a single power source, single wire feeder, single gun liner and single contact tip.	Power Wave® R450, S500, S700 PIPEFAB™
Synchronized Tandem MIG®	<b>Steel</b> » Synchronized Tandem MIG® overcomes deposition rate limitations of a single wire by using two wires and specific waveforms. The result is deposition rates nearly double rates possible with a single wire as well as faster travel speeds.	

Power Wave® 300C Advanced only. STT® or Advanced Module not necessary.



# WELD SEQUENCER™

## PROCESS CONTROL SOLUTIONS

Literature  
S2.40

## Process Control Step-by-Step

Digitally enhance your weld instructions

- Easy-to-follow graphic interface clearly guides operators through each step of the assembly process, simplifying complex work instructions.
- Automatic, step-by-step weld sequencing clearly defines the assembly of each part and placement of each weld, reducing possible quality errors.
- Connects to industrial PLC's for more embedded integration with manufacturing processes.

Easily verify your performance and quality

- On-screen verification provides instant operator feedback, ensuring all welds are present and within operating ranges prior to the assembly leaving the weld cell.
- Weld Sequencer™ automatically syncs with Lincoln Electric's CheckPoint® Production Monitoring solution for real-time production data anywhere in the world, at any time.

## Maximum Performance Weld-to-Weld

Optimize your settings for each weld

- Advanced programming provides complete power source control, automatically dialing in the right procedure and parameters for each weld with zero operator interaction – delivering maximum productivity without compromising quality.

### INPUT SETTINGS | Standardize Process



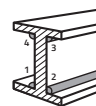
LOCATION OF WELDS  
(WITH VISUALS)



WELD  
REQUIREMENTS



WELDING  
PROCEDURES



WELDING ORDER



PART IDENTIFIERS  
(SERIAL NUMBERS &  
OPERATOR ID)

### REVIEW RESULTS | Information in Real Time



DEPOSITION



MONITOR CYCLE TIME



MONITOR ARC TIME

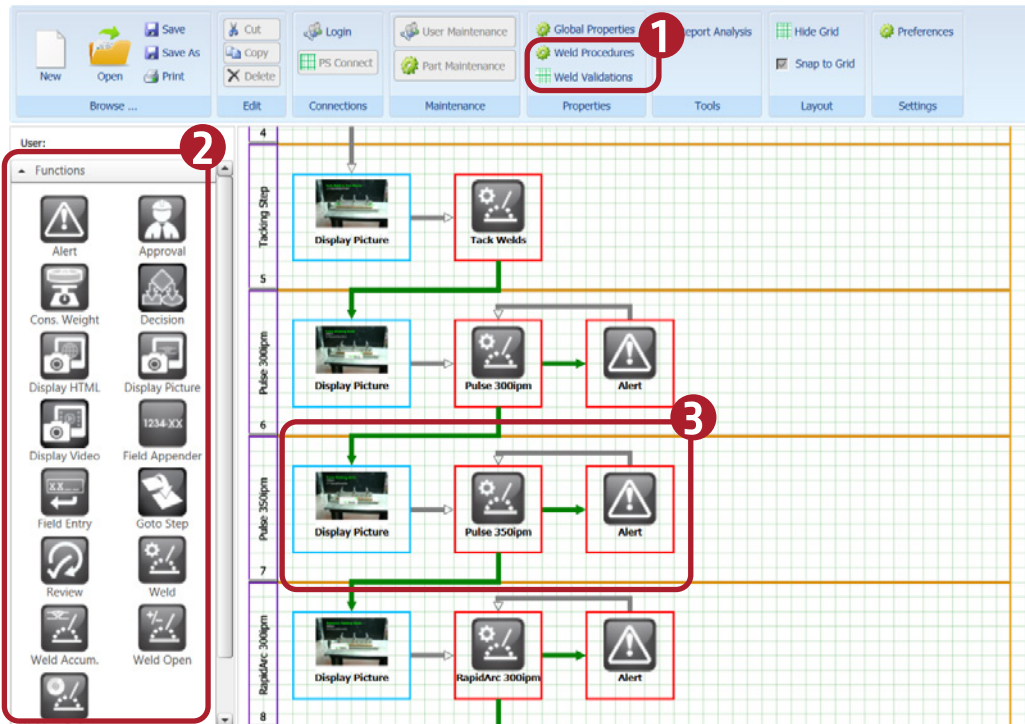


PERFORMANCE  
EVALUATION



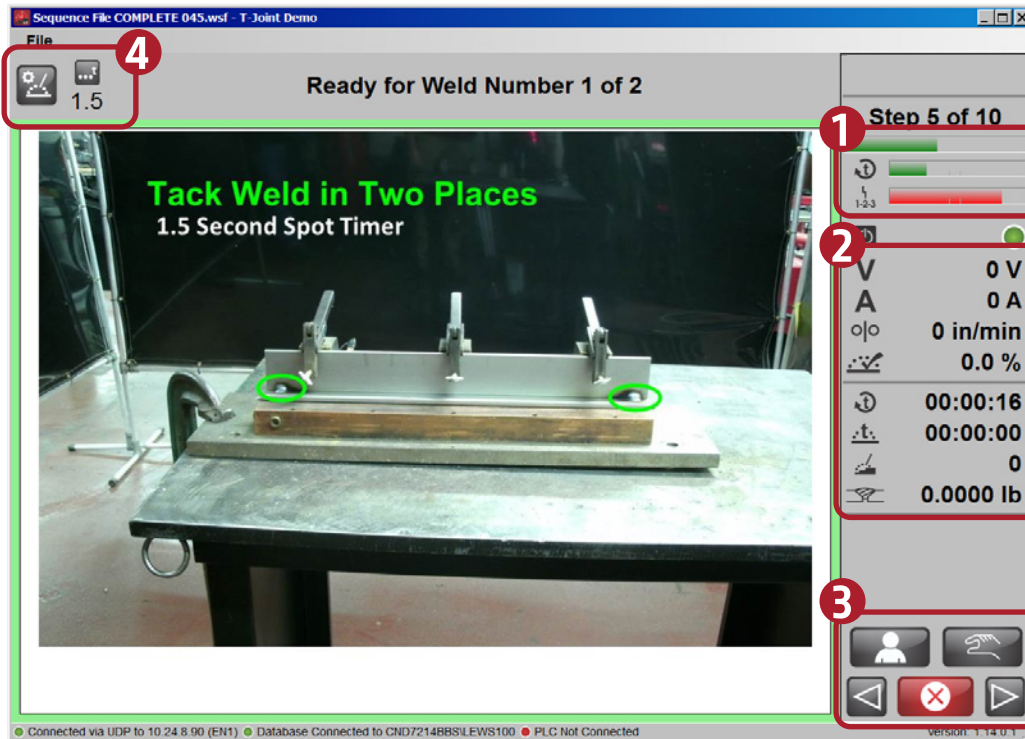
WELD COUNT

# Fast, Simple, Intuitive Sequence Creation



1. Build a database of all your weld procedures and welding validations
2. Drag and drop functional blocks for simple programming
3. Intuitive ladder logic flow-chart type sequencing

# Simple, Intuitive, Powerful Operator Interface



1. Track part cycle time and performance part to part
2. Real-time parameter feedback for the operator and quality control
3. Navigate the sequence simply by clicking the trigger on ANY welding torch
4. Complete visibility to background settings (like Spot Timer or Pre-flow)

Weld Sequencer™ Initial License (1 Year), Order K5175-1, Weld Sequencer™ Renewal License (1 Year), Order K5176-1

# CHECKPOINT®

## WELD MONITORING SOFTWARE

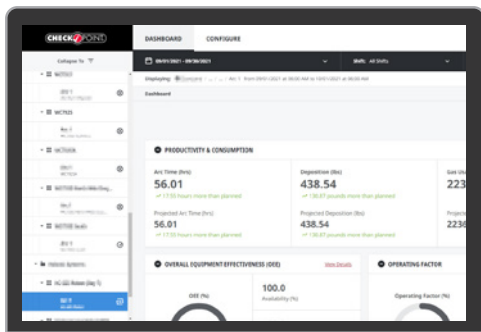
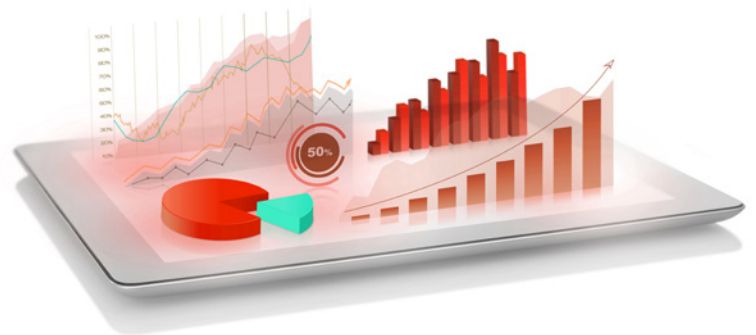
For more information, visit:  
<https://promotions.lincolnelectric.com/checkpoint/>

## Information that Leads to Solutions™

CheckPoint® is a full production monitoring solution that delivers the precise information you need for maximizing welding productivity and performance

### CheckPoint® Data-Drive Quality Assurance:

- Instantly visualizes weld quality across the entire plant
- Sets parameter limits and tracks key weld quality metrics at the station level, whether manual or robotic
- Generates a virtual paper trail, simplifying management's ability to identify the root causes of quality issues



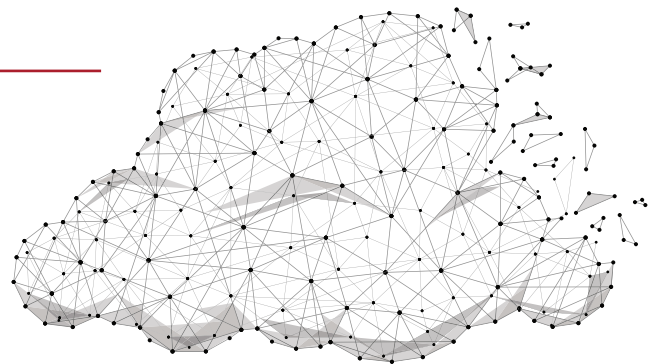
## Powerful Data, Quick and Easy

Improved dashboards provide essential, real-time weld data simplifying the visualization of performance metrics and trends that influence welding productivity and efficiency.

Reporting features enable managers to identify throughput trends, directly impacting productivity and efficiency.

## Secure, Cloud-Based Platform

- Easily connect and visualize weld data from anywhere, at any time
- Standard, embedded feature with no hidden costs
- No software installation required - access via any web browser
- Simply connect your machine to an existing network



### Information for Every Role

#### Production Foreman

- OEE
- Weld Listing
- Productivity
- Part Tracking

#### Welding Engineer

- Consumption Metrics
- Operating Metrics
- Personnel Details

#### Quality Assurance

- Welding Limits
- Non-Conformances
- Part Traceability

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### PIPEFAB™

#### Ready-Pak® [K3734-1]

- PIPEFAB™ Cable Bracket Kit (KP4867-1)
- PIPEFAB™ Power Source (K3731-1)
- Work Lead - Lug & GC500 Ground Clamp (2/0, 350A, 60%) - 15 ft. (4.6 m) (K2150-1)
- PIPEFAB™ Feeder & 300C Screen Protector (KP4735-1)
- Drive Roll Kit 0.035, 0.045 in. (0.9, 1.2 mm) Solid Wire (KP1505-1)
- PIPEFAB™ Feeder (K3735-1)
- PIPEFAB™ Dual Bottle Undercarriage (K3736-1)
- Magnum® PRO Curve™ HDE™ 350 Welding Guns (K4532-2-10-45)
- Magnum® PRO Curve™ HDE™ 250 Welding Guns (K4531-2-10-45)
- Magnum® PRO Nozzle - 350A, Thread-on, Flush, 1/2 in. (12.7 mm) ID - 25/pk (KP2742-1-50F-B25)
- Copper Plus® Contact Tip - 350A, Tapered, 0.045 in. (1.2 mm) - 10/pk (KP2744-045T)
- Copper Plus® Contact Tip - 350A, Tapered, 0.035 in. (0.9 mm) - 10/pk (KP2744-035T)
- Magnum® PRO Nozzle - 350A, Thread-on, Flush, 3/8 in. (9.5 mm) ID - 25/pk (KP2742-1-38F-B25)
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit (3100211)

### Power Wave® 300C

#### Standard [K4487-1]

- Power Wave® 300C Standard (K4487-1)
- 10 ft. (3.0m) Input Power Cord
- Magnum® PRO Curve™ 300 Welding Guns (K2951-2-6-45)
- Harris® Flowmeter/Regulator and Hose Kit (3100211)
- 10 ft. (3.0 m) Work Lead (K1803-3)
- Drive Roll Kit Combination 0.035 in. / 0.045 in. (0.9 / 1.1 mm) Solid Wire (KP1696-1)

#### Advanced [K4488-1]

- Power Wave® 300C Advanced (K4488-1)
- 10 ft. (3.0 m) Input Power Cord
- Magnum® PRO Curve™ 300 Gun Ready-Pak® (K2951-2-6-45)
- Harris® Flowmeter/Regulator and Hose Kit (3100211)
- 10 ft. (3.0 m) Work Lead (K1803-3)
- 0.035/0.045 in. (0.9/1.1 mm) Combination V-Groove Drive Rolls (Included in Wire Drive Assembly) (KP1696-1)

#### Advanced Educational One-Pak® [K4934-1]

- Power Wave® 300C Advanced (K4488-1)
- 10 ft. (3.0 m) Input Power Cord
- Magnum® PRO Curve™ 300 Gun Ready-Pak® (K2951-2-6-45)
- Harris® Flowmeter/Regulator and Hose Kit (3100211)
- 10 ft. (3.0 m) Work Lead (K1803-3)
- PTA-17F TIG Torch Ready-Pak® 12.5 ft. (3.8 m) 1 pc. (K1782-14)
- Foot Amptrol™ - 25 ft. (7.6 m), 12-pin (K870-2)
- Stick Electrode Holder, Cable (w/Twist Mate™) (K2374-1)
- Drive Roll Kit Combination 0.035 in. / 0.045 in. (0.9 / 1.1 mm) Solid Wire (KP1696-1)

#### Advanced CE [K4490-5]

- Magnum® PRO Curve™ 300 Welding Guns (K2951-2-6-45)
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit (3100211)
- 10 ft. (3 m) Work Lead
- Drive Roll Kit Combination 0.035 in. / 0.045 in. (0.9 / 1.1 mm) Solid Wire (KP1696-1)

### Power Wave® S350

#### Steel Ready-Pak® [K3005-3]

- Power Wave® S350 (K2823-3)
- Power Feed® 84 Wire Feeder Bench Model (K3328-13)
- 0.035 in. (0.9 mm) Drive Roll and Split Wire Guide Kit (KP1505-035S)
- 0.040 - 0.045 in. (1.0 - 1.2 mm) Drive Roll and Split Wire Guide Kit (KP1505-045S)
- Magnum® PRO Curve™ 400 Gun and Cable Pkg., 15 ft. (4.5 m) (K2952-2-10-45)
- Work & Wire Feeder Power Cables Pkg. (K1803-2)
- Inverter and Wire Feeder Cart (K3059-4)
- Harris® Gas Regulator/Flowmeter & 10 ft. (3.0 m) Hose Kit (3100211)



Shown:  
PIPEFAB™ Ready-Pak® (K3734-1)



Shown:  
Power Wave® 300C Advanced  
Educational One-Pak® (K4934-1)



## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### Air-Cooled Magnum<sup>®</sup> PRO Pistol Grip Aluminum 25 ft. (7.6 m) One-Pak<sup>®</sup> [K3553-1]

- Power Wave<sup>®</sup> S350 Advanced Process Welder [K2823-3]
- Power Feed<sup>®</sup> 25M Plastic Case Wire Feeder [K2536-5]
- Inverter and Wire Feeder Cart [K3059-4]
- Harris<sup>®</sup> Aluminum Flow/Regulator [3100546]
- Magnum<sup>®</sup> PRO AL Pistol Grip Push/Pull Air-Cooled Gun w/25 ft. (7.6 m) Cable [K3478-2]
- Magnum<sup>®</sup> PRO Nozzle [KP2743-1-62RA]
- Magnum<sup>®</sup> PRO Diffuser [KP2747-1A]
- Magnum<sup>®</sup> PRO Insulator [KP2773-1]
- Drive Roll Kit 3/64 in. (1.2 mm) [KP1695-3/64A]
- Drive Roll Kit 1/16 in. (1.6 mm) [KP1695-1/16A]
- Copper Plus<sup>®</sup> Contact Tip 3/64 in. (1.2 mm) Tapered [KP2745-364AT] (10/pk)
- Copper Plus<sup>®</sup> Contact Tip 3/64 in. (1.2 mm) [KP2745-364AT5356] (10/pk)
- Copper Plus<sup>®</sup> Contact Tip 1/16 in. (1.6 mm) [KP2745-116AT] (10/pk)
- Copper Plus<sup>®</sup> Contact Tip 1/16 in. (1.6 mm) Tapered [KP2745-116AT5356] (10/pk)
- Work & Wire Feeder Power Cable Pkg. [K1803-2]
- ArcLink<sup>®</sup> Cable 8 ft. (2.4 m) [K1543-8]

### Water-Cooled Magnum<sup>®</sup> PRO Pistol Grip Aluminum 25 ft. (7.6 m) One-Pak<sup>®</sup> [K3554-1]

- Power Wave<sup>®</sup> S350 Advanced Process Welder [K2823-3]
- Power Feed<sup>®</sup> 25M Semi-Automatic Wire Feeder for Aluminum [K4191-1]
- Inverter and Wire Feeder Cart [K3059-4]
- Harris<sup>®</sup> Aluminum Flow/Regulator [3100546]
- Water Connection Kit [K590-6]
- Magnum<sup>®</sup> PRO AL Pistol Grip Push/Pull Water-Cooled Gun w/25 ft. (7.6 m) Cable [K3479-2]
- CoolArc<sup>®</sup> 55 Aluminum Water Cooler [K3086-1]
- Magnum<sup>®</sup> PRO Coolant [KP3379-4]
- Various Magnum<sup>®</sup> Gun Accessories
- Drive Roll Kit 3/64 in. (1.2 mm) [KP1695-3/64A]
- Drive Roll Kit 1/16 in. (1.6 mm) [KP1695-1/16A]
- Copper Plus<sup>®</sup> Contact Tip 550A Aluminum Tapered 3/64 in. (1.2 mm) [KP2745-364AT] (10/pk)
- Copper Plus<sup>®</sup> Contact Tip 5356 Aluminum 3/64 in. (1.2 mm) [KP2745-364A5356] (10/pk)
- Copper Plus<sup>®</sup> Contact Tip 550A Aluminum 1/16 in. (1.6 mm) [KP2745-116A] (10/pk)
- Copper Plus<sup>®</sup> Contact Tip 550A, 5356 Aluminum, Tapered, 1/16 in. (1.6 mm) Tapered [KP2745-116AT5356] (10/pk)
- Work & Wire Feeder Power Cable Pkg. [K1803-2]

### Power Wave<sup>®</sup> S500

#### Power Feed<sup>®</sup> 84 One-Pak<sup>®</sup> [K3186-2]

- Power Wave<sup>®</sup> S500 [K2904-1]
- Power Feed<sup>®</sup> 84 Bench Model [K3328-13]
- Drive Roll & Wire Guide Kit 0.040-0.045 in. (1.0-1.1 mm) Solid Wire [KP1505-045S]
- Work Lead Lug & GC500 Ground Clamp [4/0, 600A, 60%] 15 ft. (4.6 m) Package [K2149-1]
- Harris<sup>®</sup> Gas Regulator/Flowmeter & 10 ft. (3.0 m) Hose Kit [3100211]
- Magnum<sup>®</sup> PRO Curve 400 Gun Pkg., 15 ft. (4.5 m) Cable [K2952-2-10-45]

#### Power Feed<sup>®</sup> 84 Ready-Pak<sup>®</sup> [K3187-2]

- Power Wave<sup>®</sup> S500 Advanced Process Welder [K2904-1]
- Weld Cable 10 ft. (3 m) [K1842-10]
- Drive Roll Kit 0.040-0.045 in. (1.0-1.1 mm) Solid Wire [KP1505-045S]
- Work Lead - Lug & GC500 Ground Clamp [4/0, 600A, 60%] - 15 ft. (15.3 m) [K2149-1]
- Magnum<sup>®</sup> PRO Curve™ 400 Welding Guns [K2952-2-10-45]
- Cart for Inverter and Wire Feeder [K3059-4]
- Power Feed<sup>®</sup> 84 - U/I, Heavy Duty Reel, USB [K3328-13]
- Harris<sup>®</sup> Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit [3100211]

#### Power Feed<sup>®</sup> 84 One-Pak<sup>®</sup> [K3168-1]

- Power Wave<sup>®</sup> S500 [K2904-1]
- Power Feed<sup>®</sup> 84 Bench Model [K3328-13]
- Magnum<sup>®</sup> PRO Curve™ 400 Gun and Cable Package [K2952-2-10-45]
- 0.040-0.045 in. (1.0-1.1 mm) Drive Roll Kit [KP1505-045S]
- Work Lead Package [K2149-1]
- Harris<sup>®</sup> Flowmeter Regulator and Hose [3100211]



Shown:  
Power Wave<sup>®</sup> S350 Air-Cooled  
Magnum<sup>®</sup> PRO Pistol Grip Aluminum  
One-Pak<sup>®</sup> [K3553-1]



Shown:  
Power Wave<sup>®</sup> Water-Cooled Magnum<sup>®</sup>  
PRO Pistol Grip Aluminum One-Pak<sup>®</sup>  
[K3554-1]



Shown:  
Power Wave<sup>®</sup> S500 Power Feed<sup>®</sup> 84  
One-Pak<sup>®</sup> [K3186-2]

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### HyperFill® Reveal™ Power Feed® 84 Dual Ready-Pak® Single Cart (K4650-4)

- Power Wave® S500 (K2904-1)
- Power Feed® 84 Dual Wire Feeder (K3330-3)
- Cool Arc® 55S Water Cooler (K3086-2)
- Magnum® PRO Water Cooled 500A Gun (K4522-2-10-564)
- 7 ft. (2.1 m) Water Hose Kit (K4544-7)
- HyperFill® Dual Reel Cart Kit (K4630-1)
- 4-Ball Inlet Guide (K1551-2)
- HyperFill® 0.035-0.040 in. (0.9-1.0 mm) Drive Roll Kit (KP4388-1)
- HyperFill® Diffuser (KP4481-1)
- HyperFill® 0.035 in. (0.89 mm) Contact Tip (KP4482-035)
- Magnum® PRO Water-Cooled Gas Nozzle - Thread-On, 1/8 in. (3.1 mm) Recess, 3/4 in. (19.05 mm) (KP4523-1-75R)
- Cable Liner 1/16-5/64 in. (1.6-2.0 mm) 15 ft. (4.6 m) - 10/pack (KP44-564-15)
- Standard Duty Wire Reel Stand (K3342-1)
- Magnum® PRO Curve™ 300A Gun (K2951-2-10-45)
- Standard 0.040-0.045 in. (1.0-1.1 mm) Drive Roll Kit (KP1505-045S)
- Work Lead - Lug & GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (4.6 m) (K2149-1)
- Electrode Cable Lug to Lug (3/0, 600A, 60%) 10 ft. (3.0 m) (K1842-10)
- ArcLink® 5-Pin Control Cable 8 ft. (2.4 m) (K1543-8)
- Inverter and Wire Feeder Cart (K3059-4)
- Gas Y Fitting (KP4773-1)
- Harris® Flowmeter Kit (3100856)
- Gateway Pendant Kit (K4997-1) Includes 5 in. (127 mm) Screen Protector (KP4735-2) and 8 ft. (2.4 m) Control Cable (K1543-8)

### HyperFill® Reveal™ Power Feed® 84 Single Ready-Pak® (K4650-5)

- Power Wave® S500 (K2904-1)
- Power Feed® 84 Wire Feeder (K3328-3)
- Cool Arc® 55S Water Cooler (K3086-2)
- Magnum® PRO Water Cooled 500A Gun (K4522-2-10-564)
- 7 ft. (2.1 m) Water Hose Kit (K4544-7)
- HyperFill® Dual Reel Cart Kit (K4630-1)
- 4-Ball Inlet Guide (K1551-2)
- HyperFill® 0.035-0.040 in. (0.9-1.0 mm) Drive Roll Kit (KP4388-1)
- HyperFill® Diffuser (KP4481-1)
- HyperFill® 0.035 in. (0.89 mm) Contact Tip (KP4482-035)
- Magnum® PRO Water-Cooled Gas Nozzle - Thread-On, 1/8 in. (3.1 mm) Recess, 3/4 in. (19.05 mm) (KP4523-1-75R)
- Cable Liner 1/16-5/64 in. (1.6-2.0 mm) 15 ft. (4.6 m) - 10/pack (KP44-564-15)
- Work Lead - Lug & GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (4.6 m) (K2149-1)
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) (K1842-10)
- ArcLink® (5-Pin) Control Cable - 8 ft. (2.4 m) (K1543-8)
- Inverter and Wire Feeder Cart (K3059-4)
- Gas Y Fitting (KP4773-1)
- Harris® Flowmeter Kit (3100856)
- Gateway Pendant Kit (K4997-1) (Includes: 5 in. (127 mm) Screen Protector (KP4735-2) and 8 ft. (2.4 m) Control Cable (K1543-8))

### HyperFill® Reveal™ Power Feed® 84 Dual Ready-Pak® Dual Cart (K4650-6)

- Power Wave® S500 (K2904-1)
- Power Feed® 84 Dual Wire Feeder (K3330-3)
- Cool Arc® 55S Water Cooler (K3086-2)
- Magnum® PRO Water Cooled 500A Gun (K4522-2-10-564)
- M-F Quick Disconnect 7 ft. (2.1 m) Water Hose Kit (K4544-7)
- HyperFill® Dual Reel Cart Kit (K4630-1) 4-Ball Inlet Guide (K1551-2)
- HyperFill® 0.035-0.040 in. (0.9-1.0 mm) Drive Roll Kit (KP4388-1)
- HyperFill® Diffuser (KP4481-1)
- HyperFill® 0.035 in (0.89 mm) Contact Tip (KP4482-035)
- Magnum® PRO Water-Cooled Gas Nozzle - Thread-On, 1/8 in. (3.2 mm) Recess, 3/4 in. (19.0 mm) (KP4523-1-75R)
- Cable Liner 1/16-5/64 in. (1.6-2.0 mm) 15 ft. (4.6 m) - 10/pack (KP44-564-15)
- Standard Duty Wire Reel Stand (K3342-1)



Shown:  
Power Wave® S500 HyperFill® Reveal™  
Power Feed® 84 Dual Ready-Pak® Single  
Cart (K4650-4)



Shown:  
Power Wave® S500 HyperFill® Reveal™  
Power Feed® 84 Dual Ready-Pak® Dual  
Cart (K4650-6)



Shown:  
Power Wave® Advanced Module  
(K3685-1)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### HyperFill® Reveal™ Power Feed® 84 Dual Ready-Pak® Dual Cart [K4650-6]Cont'd

- Magnum® PRO Curve™ 300A Gun (K2951-2-10-45)
- Standard 0.040-0.045 in. (1.0-1.1 mm) Drive Roll Kit (KP1505-045S)
- Work Lead - Lug & GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (4.6 m) (K2149-1)
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) (K1842-10)
- ArcLink® 5-Pin Control Cable - 8 ft. (2.4 m) (K1543-8)
- Inverter and Wire Feeder Cart (K3059-4)
- Gas Y Fitting (KP4773-1)
- Harris® Flowmeter Kit (3100856)
- Gateway Pendant Kit (K4997-1) Includes 5 in. (127 mm) Screen Protector (KP4735-2) and 8 ft. (2.4 m) Control Cable (K1543-8)

### Power Wave® Advanced Module

#### Base Model [K3685-1]

- Power Source Output Pigtail Adapter Cable (Tweco®-style)
- 25 ft. (7.6 m) Remote Voltage Sense Lead
- ArcLink® Output Receptacle
- Differential Input and Output (Sync Tandem Output)
- Shielding Gas Input

### Power Wave® STT® Module

#### Base Model [K2902-1]

- Power Source Output Pigtail Adapter Cable (Tweco®-style)
- Remote Voltage Sense Lead, 25 ft. (7.6 m)

#### CE Model [K2921-1]

- Power Source Output Pigtail Adapter Cable (Tweco®-Style)
- Remote Voltage Sense Lead 25 ft. (7.6 m)

### HELIX® M4X™

#### Base Model [K52318-1]

- Weld Head with SF70X Feeder
- Pelican Case

### APEX® 30S MIG Ready-Pak® [K52325-1]

- HELIX® M4X™ Weld Head
- Power Wave® S500
- APEX® 30S
- CoolArc® 55S
- APEX® Pendant
- Torch with Control Cable
- System Cart

### APEX® 30S TIG Ready-Pak® [K52326-1]

- HELIX® M4X™ Weld Head
- Power Wave® S500
- APEX® 30S
- CoolArc® 55S
- APEX® Pendant
- Torch with Control Cable
- System Cart

### APEX® 30S Hot Wire TIG Ready-Pak® [K52327-1]

- HELIX® M4X™ Weld Head
- Power Wave® S500 (x2)
- APEX® 30S
- CoolArc® 55S
- Power Wave® Advanced Module
- APEX® Pendant
- Torch with Control Cable
- System Cart

### HELIX® M85 Weld Head

#### APEX® 30M MIG Ready-Pak® [K52165-2]

- Power Wave® S500 Advanced Process Welder (K2904-1)
- APEX® 30M (K52160-1)
- HELIX® M85 Weld Head (K52101-1)
- APEX® 3 Series MIG Pendant (K52113-1)
- Gun Assembly 550A 15 ft. (4.6 m) (K52106-15)
- APEX® 30M System Cart (K52166-1)
- HELIX® Control Cable 15 ft. (4.6 m)(K52107-15)
- Pendant Cable 25 ft. (7.6 m) (K52130-25)
- ArcLink® Control Cable 8 ft. (2.4 m) (K1543-8)
- Power Cable Twist Mate™ to Lug 8 ft. (2.4 m) (M23752-8)

#### APEX® 30M HELIX® M85 MIG Ready-Pak® CE [K52165-5]

- Power Wave® S500 CE Advanced Process Welder (K3168-1)
- APEX® 30M (K52160-1)
- HELIX® M85 Weld Head (K52101-1)
- APEX® 3 Series MIG Pendant (K52113-1)
- Gun Assembly 550A 15 ft. (4.6 m) (K52106-15)
- APEX® 30M System Cart (K52166-1)
- HELIX® Control Cable 15 ft. (4.6 m) (K52107-15)
- Pendant Cable (K52130-25)
- ArcLink® Control Cable 8 ft. (2.4 m) (K1543-8)
- Weld Cable Twist Mate™ to Lug 10 ft. (K52279-10)
- USB Flash Drive 8GB (S31281)
- APEX® 30M Crate (M23516)



Shown:  
APEX® 30S M4X™ TIG Ready-Pak®  
(K52326-1)



Shown:  
APEX® 30S M4X™ Hot Wire TIG  
Ready-Pak® (K52327-1)



Shown:  
APEX® 30S HELIX® M85 MIG  
Ready-Pak® (K52257-1)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### APEX® 30S MIG Ready-Pak® (K52257-1)

- Power Wave® S500 Advanced Process Welder (K2904-1)
- APEX® 30S Mechanized Controller (K52217-1)
- HELIX® M85 Weld Head (K52101-1)
- HELIX® SF70A-1 M85 Onboard Wire Feeder (K52230-1)
- APEX® 3 Series MIG Pendant (K52113-1)
- Magnum® PRO 550 LP12 Mechanized 25 ft. (7.6 m) Cable Length (K52223-25)
- Inverter and Wire Feeder Cart (K3059-4)
- Pendant Cable 25 ft. (7.6 m) (K52130-25)
- CAM Lock Terminal Adapter (9EM21433-2)

### APEX® 30S HELIX® 30S M85 MIG Ready-Pak® CE (K52257-2)

- Power Wave® S500 CE Advanced Process Welder (K3168-1)
- APEX® 30S Mechanized Controller (K52217-1)
- HELIX® M85 Weld Head (K52101-1)
- HELIX® SF70A-1 On-board Wire Feeder (K52230-1)
- APEX® 3 Series MIG Pendant (K52113-1)
- Magnum PRO® 550 LP12 Mech Twist Mate™ w/Control Cable (K52259-25C)
- Inverter and Wire Feeder Cart (K3059-4)
- Pendant Cable (K52130-25)
- USB Flash Drive 8GB (S31281)
- APEX® 30M Crate (M23516)

### APEX® 30S TIG Ready-Pak® (K52260-1)

- Power Wave® S500 Advanced Process Welder (K2904-1)
- APEX® 30S Mechanized Controller (K52217-1)
- HELIX® M85 Weld Head (K52101-1)
- HELIX® SF70A-1 M85 Onboard Wire Feeder (K52230-1)
- APEX® 3 Series TIG Pendant (K52216-1)
- PTW-18M-500 Mechanized TIG Torch w/Cable 25 ft. (7.6 m) (K52229-25)
- Torch Holder Assembly 1.38 in. (35.1 mm) (K52222-138)
- Wire Manipulator Assembly 1 (K52231-1)
- Barrel Torch
- Wire Guide Torch Clamp Kit (K52232-1)
- Cool Arc® 55 S Water Cooler (K3086-2)
- Inverter and Wire Feeder Cart (K3059-4)
- Pendant Cable 25 ft. (7.6 m) (K52130-25)
- CAM Lock Terminal Adapter (9EM21433-2)

### APEX® 30S HELIX® M85 TIG Ready-Pak® CE (K52260-2)

- Power Wave® S500 CE Advanced Process Welder (K3168-1)
- APEX® 30S Mechanized Controller (K52217-1)
- HELIX® M85 Weld Head (K52101-1)
- HELIX® SF70A-1 On-board Wire Feeder (K52230-1)
- APEX® 3 Series TIG Pendant (K52216-1)
- PTW-18M-500 TIG Torch w/Control Cable Twist Mate™ 25 ft. (K52261-25C)
- Torch Holder Assembly 1.38 in. (34.9 mm) (K52222-138)
- Wire Manipulator Assembly 1 (K52231-1)
- Barrel Torch
- Wire Guide Torch Clamp Kit (K52232-1)
- Cool Arc® 50 (K14050-1)
- Inverter and Wire Feeder Cart (K3059-4)
- Pendant Cable (K52130-25)
- USB Flash Drive 8GB (S31281)
- APEX® 30M Crate (M23516)

### APEX® 30S Hot Wire TIG Ready-Pak® (K52266-1)

- Power Wave® S500 Advanced Process Welder (K2904-1)
- Power Wave® Advanced Module (K3685-1)
- APEX® 30S Mechanized Controller (K52217-1)
- HELIX® M85 Weld Head (K52101-1)
- HELIX® SF70A-1 Onboard Wire Feeder (K52230-1)
- APEX® 3 Series TIG Pendant (K52216-1)
- PTW-18M-500 Mechanized TIG Torch w/Cable 25 ft. (7.6 m) (K52229-25)
- Torch Holder Assembly 1.38 in. (34.9 mm) (K52222-138)
- Wire Manipulator Assembly 1 - Barrel Torch (K52231-1)
- Wire Guide Torch Clamp Kit (K52232-1)
- Cool Arc® 55 S Water Cooler (K3086-2)
- APEX® Lift Cart (K52236-1)
- Pendant Cable 25 ft. (7.6 m) (K52130-25)
- ArcLink® Control Cable - 8 ft. (2.4 m) (K1543-8)
- Hot Wire TIG Sense Lead Adapter (K52228-1)
- Hot Wire Weld Cable 28 ft. (8.53 m) (M23131-28)
- CAM Lock Terminal Adapter (9EM21433-2)



Shown:  
HELIX® M627 Clamp-On Orbital TIG  
Weld Head (K52283-1)



Shown:  
APEX® 30S HELIX® M627 TIG  
Ready-Pak® (K52285-1)



## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### APEX® 30S HELIX® M85 Hot Wire TIG Ready-Pak® CE (K52266-2)

- Power Wave® Advanced Module (K3685-1)
- APEX® 30S Mechanized Controller (K52217-1)
- AL Bridge Kit (K52226-1)
- HELIX® M85 Weld Head (K52101-1)
- HELIX® SF70A-1 On-board Wire Feeder (K52230-1)
- APEX® 3 Series TIG Pendant (K52230-1)
- PTW-18M-500 TIG Torch W/Control Cable Twist Mate™ 25 ft. (K52261-25C)
- Torch Holder Assembly 1.38 in. (34.9 mm) (K52222-138)
- Wire Manipulator Assembly 1 - Barrel Torch (K52222-138)
- Wire Guide Torch Clamp Kit (K52232-1)
- Cool Arc® 50 (K14050-1)
- APEX® Lift Cart (K52236-1)
- Pendant Cable (K52130-25)
- ArcLink® Control Cable - 8 ft. (2.4 M) (K1543-8)
- Hot Wire TIG Sense Lead Adapter (K52228-1)
- Hot Wire Weld Cable 28 ft. (M23131-28)
- Brass Thin Hex Nut 7/16-20 (S32536)
- USB Flash Drive 8GB (S31281)
- Crate APEX® Systems (M23330)

### HELIX® M627

#### Clamp-On Orbital TIG Weld Head (K52283-1)

- HELIX® M627 Weld Head
- Pelican Case
- HELIX® M Clamp Expendables Kit
- Low Profile TIG Torch
- Low Profile Cable Retainer
- Clamp Shoe 6.625 in. (168.3 mm)
- Clamp Shoe 5.563 in. (141.3 mm)
- Clamp Shoe 4.5 in. (114.3 mm)
- Clamp Shoe 4.0 in. (101.6 mm)
- Clamp Shoe 3.5 in. (88.9 mm)
- Clamp Shoe 2.875 in. (73.0 mm)
- Clamp Shoe 2.375 in. (60.3 mm)
- Clamp Shoe 1.9 in. (48.3 mm)

### APEX® 30S TIG Ready-Pak® (K52285-1)

- HELIX® M627 Clamp-on Orbital TIG Weld Head (K52283-1)
- Power Wave® S500 Advanced Process Welder
- APEX® 30S Mechanized Controller
- Cool Arc® 55 S Water Cooler
- APEX® 3 Series TIG Pendant
- HELIX® M627 Weld Head
- Pelican Case
- HELIX® M Clamp Expendables Kit
- Low Profile Cable Retainer
- Clamp Shoe 6.625 in. (168.3 mm)
- Clamp Shoe 5.563 in. (141.3 mm)
- Clamp Shoe 4.5 in. (114.3 mm)
- Clamp Shoe 4.0 in. (101.6 mm)
- Clamp Shoe 3.5 in. (88.9 mm)
- Clamp Shoe 2.875 in. (73.0 mm)
- Clamp Shoe 2.375 in. (60.3 mm)
- Clamp Shoe 1.9 in. (48.3 mm)

# Accessories

Product Name	Product No.	Power Wave® C300	Power Wave® S350	Power Wave® S500	Power Wave® R450	Power Wave® S700
		Base Model	Base Model	Base Model	Base Model	Base Model
		K2675-2	K2823-3	K2904-1	K3451-1	K3297-1
<b>GENERAL</b>						
CanVAS™ Cover Medium	K2378-1	•				
Power Wave® 300C Water Cooler Adapter Kit	K4898-1	•				
Power Wave® 300C and Power MIG® 260/360 MP Canvas Cover	K3675-1	•				
Power Wave® 300C Dual Gas Bottle Upgrade Kit	K4866-1	•				
Inverter and Wire Feeder Cart	K1764-1		•	•		
Inverter and Wire Feeder Cart	K3059-4		•	•		
Power Wave® S700 Cart Mounting Kit	K4991-1					•
Dual Cylinder Inverter and Wire Feeder Cart	K3059-5		•	•		
12-pin to 6-pin Adapter Cable	K2909-1	•	•	•	•	•
12-pin (M) to 7-pin (F) Adapter Cable	K2910-1	•				
Cool Arc® 40 Water Cooler 115/150/60	K1813-1	•	•	•	•	•
Cool Arc® 55 Water Cooler	K3086-1		•	•	•	•
Cool Arc® 55 S Water Cooler	K3086-2		•	•	•	•
S-Series User Interface Kit	K3001-2		•	•	•	
115V Auxiliary Power Kit	K2829-1		•			
CE Filter	K2444-4					•
Tweco®-Style Cam-Lock Adapter Plug for 2/0 Cable	K2946-1		•		•	
STT® Sense Lead Kit, 25 ft. (7.6 m)	K940-25	•	•	•	•	•
STT® Sense Lead Kit, 75 ft. (22.9 m)	K940-75	•	•	•	•	•
Heavy Duty Process Sense Lead, 50 ft. (15.2 m)	K1811-50		•	•	•	•
Heavy Duty Process Sense Lead, 100 ft. (30.5 m)	K1811-100		•	•	•	•
Work Lead Package	K2149-1			•	•	•
Coaxial Weld Power Cable (350A), 25 ft. (7.6 m)	K1796-25			•	•	•
Coaxial Weld Power Cable (350A), 50 ft. (15.2 m)	K1796-50			•	•	•
Coaxial Weld Power Cable (300A), 75 ft. (22.9 m)	K1796-75			•	•	•
Coaxial Weld Power Cable (300A), 100 ft. (30.5 m)	K1796-100			•	•	•
Coaxial Weld Power Cable (#1, Lug to Lug), 100 ft. (30.5 m)	K2593-100			•	•	•

• Optional

# Accessories

Product Name	Product No.	Power Wave® C300	Power Wave® S350	Power Wave® S500	Power Wave® R450	Power Wave® S700
		Base Model	Base Model	Base Model	Base Model	Base Model
<b>TIG</b>						
TIG Torches (see E12.150 or Guns and Torches Section)	—	•	•	•		•
Foot Amptrol 12-pin 25 ft. (7.6 m)	K870-2	•	•	•		
Hand Amptrol 12-pin 25 ft. (7.6 m)	K963-4	•	•	•		
TIG Torch Twist Mate™ to Stud Adapter Cable, 2 ft. (0.61 m) Gas Hose	K2505-3	•				
Tweco® Air-Cooled Adapter	K1622-6		•			
Tweco®-Style Cam Lock Adapter, 26 Series Torches	K960-3		•			
Tweco®-Style Cam Lock Adapter, 17 Series Torches	K960-4		•			
<b>WIRE FEEDER</b>						
Fast-Mate™ Adapter	K489-8	•				
Drive Roll Kit, 0.035 in. (0.9 mm) Aluminum Wire	KP1695-035A	•				
Drive Roll Kit, 3/64 in. (1.2 mm) Aluminum Wire	KP1695-3/64A	•				
AutoDrive® 19 Controller	K3004-2		•	•	•	•
AutoDrive® 19 Tandem Controller	K3171-1			•	•	•
AutoDrive® S Wire Feeder	K4303-2			•	•	•
AutoDrive® SA Push Feeder	K4444-1			•	•	•
AutoDrive® SA Pull Feeder	K4445-1			•	•	•
Power Wave® STT® Module (US/International)	K2902-1		•	•	•	
Power Wave® STT® Module (CE)	K2921-1		•	•	•	
Power Wave® Advanced Module	K3685-1		•	•	•	
Water Cooler Hoses (CGA to CGA)	K1859-2	•	•	•	•	•
Water Connection Kit	K590-6				•	•

• Optional

# Accessories

Product Name	Product No.	PIPEFAB™ Power Source	Power Wave® C300	Power Wave® S350	Power Wave® S500	Power Wave® R450	Power Wave® S700
		Base Model	Base Model	Base Model	Base Model	Base Model	Base Model
		K3731-1	K4487-1 and K4488-1	K2823-3	K2904-2	K3451-1	K3297-1
<b>MIG</b>							
Magnum® PRO AL FC 225 Air 12-Pin Front Trigger Push-Pull Guns							
12-pin, 15 ft. (4.5 m)	K4797-1		•	•	•		•
12-pin, 25 ft. (7.6 m)	K4797-2		•	•	•		•
12-pin, 35 ft. (10.6 m)	K4797-3		•	•	•		•
12-pin, 50 ft. (15.2 m)	K4797-4		•	•	•		•
Magnum® PRO AL FC 450 Water 12-Pin Front Trigger Push-Pull Guns							
12-pin, 15 ft. (4.5 m)	K4798-1			•	•		•
12-pin, 25 ft. (7.6 m)	K4798-2			•	•		•
12-pin, 35 ft. (10.6 m)	K4798-3			•	•		•
12-pin, 50 ft. (15.2 m)	K4798-4			•	•		•
Magnum® PRO AL Pistol Grip Air-Cooled Push-Pull Guns							
12-pin, 15 ft. (4.5 m)	K3478-1		•	•	•		•
12-pin, 25 ft. (7.6 m)	K3478-2		•	•	•		•
12-pin, 35 ft. (10.7 m)	K3478-3		•	•	•		•
Magnum® PRO AL Pistol Grip Water-Cooled Push-Pull Guns							
12-pin, 15 ft. (4.5 m)	K3479-1			•	•		•
12-pin, 25 ft. (7.6 m)	K3479-2			•	•		•
Cougar™ Air-Cooled Push-Pull Gun, 7-pin, 25 ft. (7.6 m)	K2704-2		•				
Cougar™ Air-Cooled Push-Pull Gun, 7-pin, 50 ft. (15.2 m)	K2704-3		•				
PIPEFAB™ Connectivity Hub	K4720	•					
PIPEFAB™ Feeder HyperFill® Reel Stand	K4793-1	•					
PIPEFAB™ Dual Bottle Undercarriage	K3736-1	•					
PIPEFAB™ Feeder Caster Kit	K4728-1	•					
PIPEFAB™ Remote UI	K3738-1	•					
<b>SPOOL GUN</b>							
Magnum® PRO 250LX™ GT Spool Gun	K3569-2		•				
2-YEAR EXTENDED WARRANTY AVAILABLE	—		•	•	•	•	•

For more information on our Extended Warranty program, visit [www.lincolnelectric.com/warranty](http://www.lincolnelectric.com/warranty)

• Optional



# MULTI-OPERATOR WELDING SYSTEMS

MODEL	Mode	Polarity	Current Range (Amps)	PROCESS							INPUT		FEATURES		
				Stick	TIG	MIG	Pulsed	Flux-Cored	Submerged Arc	Arc Gouge	Phase	Hertz	Touch-Start TIG®	One Disconnect Switch	IP23 Rated
<b>RACK SYSTEMS</b>															
Flextec® 350X Construction	CC/CV	DC	5-425	●	●	●	●	●		●	3	50/60	•		•
Flextec® 350XP	CC/CV	DC	5-425	●	●	●	●	●		●	3	50/60	•		•
Flextec® 350X PowerConnect®	CC/CV	DC	4-425	●	●	●	●	●		●	3	50/60	•		•
Flextec® 500X	CC/CV	DC	5-500	●	●	●	●	●		●	3	50/60	•		•
Flextec® 650X	CC/CV	DC	40-815	●	●	●		●	●	●	3	50/60	•		•
Invertec® V276	CC	DC	5-275	●	●					●	3	50/60	•		•
<b>MULTI-ARC SYSTEM</b>															
Dual Maverick™ 200/200X	CC/CV	DC	30-450	●	●	●		●		●	NA	NA			•

KEY: ● Excellent ● Good ● Optional



## Flextec® 350X Construction Inverter Racks

Simple. Reliable. Flexible.

- Ready for DC stick, DC TIG, MIG and flux-cored welding
- Available in 4 and 6-pack configurations
- Power sources connect to one easy incoming power drop
- Individual fuses provide overcurrent protection for each power source
- Two overhead lift eyes, standard fork lift slots and optional casters provide easy maneuverability
- Includes work leads from individual machine to common inverter rack ground lug



### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

### Output



### Input



### Literature

E5.92 and E5.109

Product Name	Output Connection	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle <sup>(1)</sup>	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Flextec® 350X Construction 4-Pack Rack	Tweco®	K3402-3	380/460/575/3/50/60	350A/34V/60% 300A/32V/100%	64/60/60A (4-Pack)	5-425A	59.72 x 37.5 x 32.88 (1516 x 952 x 835)	620 (281)
Flextec® 350X Construction 6-Pack Rack		K4277-2			74/68/68		71.22 x 48 x 35.5 (1809 x 1219 x 902)	830 (377)
Caster Kit		K2665-1						

<sup>(1)</sup>Based on a 10 minute period. Output is for each individual machine.



## Flextec® 350X PowerConnect® Inverter Racks

Compact, Rugged and Complete

- Runs on any input voltage 200-600VAC
- Multi-process machine capable of pulse welding
- Available in 4 and 6-pack configurations
- Power sources connect to one easy incoming power drop
- Individual fuses provide overcurrent protection for each power source
- Two overhead lift eyes, standard fork lift slots and optional casters provide easy maneuverability



**Processes**

- Stick
- TIG
- MIG
- Pulsed MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E5.109 and E5.92

Product Name	Output Connection	Product Number	Input Power Voltage/Phase/Hz	Rated Output: Current/Voltage/Duty Cycle <sup>(1)</sup>	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Flextec® 350X PowerConnect® 4-Pack Rack	Tweco®	K4726-2	350A/34V/60% 300A/32V/100%	200/230/380/460/575/ 3/50/60	124/110/60/50/43A	5-425A	59.72 x 37.25 x 32.88 (1516 x 952 x 835)	644 (293)
6-Pack Rack	Tweco®	K4727-2			166/147/81/67/57A		71.22 x 48 x 35.5 (1809 x 1219 x 902)	692 (313.89)
Caster Kit		K2665-1						

<sup>(1)</sup>Based on a 10 minute period. Output is for each individual machine.

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Flextec® 350XP Inverter Racks

Heavy Duty, Compact, Expandable

- Multi-process machine capable of pulse welding
- Available in 4 and 6-pack configurations
- Power sources connect to one easy incoming power drop
- Individual fuses provide overcurrent protection for each power source
- Two overhead lift eyes, standard fork lift slots and optional casters provide easy maneuverability



**Processes**

- Stick
- TIG
- MIG
- Pulsed MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E5.92 and E5.109

Product Name	Output Connection	Product Number	Input Power Voltage/Phase/Hz	Rated Output: Current/Voltage/Duty Cycle <sup>(1)</sup>	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Flextec® 350XP 4-Pack Rack	Tweco®	K3403-3	380/460/575/3/50/60	350A/34V/60% 300A/32V/100%	64/60/60A	5-425A	59.72 x 37.25 x 32.88 (1516 x 946 x 835)	620 (281)
6-Pack Rack	Tweco®	K4281-2			85/81/81A		71.22 x 48 x 35.5 (1809 x 1219 x 902)	830 (377)
Caster Kit		K2665-1						

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Flextec® 500X Inverter Racks

### Faster Setup, More Arc Time

- Ready for DC stick, DC TIG, MIG and Flux-Cored welding and arc gouging
- Available in 4 and 6-pack configurations
- Power sources connect to one easy incoming power drop
- Individual fuses provide overcurrent protection for each power source
- Two overhead lift eyes, standard fork lift slots and optional casters provide easy maneuverability
- IP 23 rated meaning the welder will excel in outdoor environments, such as construction sites and shipyards, and its Desert Duty® rated for operation in the harshest environments (up to 131 °F or 55 °C)



#### Processes

- Stick
- TIG
- MIG
- Pulsed MIG
- Flux-Cored
- Gouging

#### Output



#### Input



#### Literature

E5.92 and E5.108

Product Name	Output Connection	Product Number	Input Power Voltage/Phase/Hz	Rated Output: Current/Voltage/Duty Cycle <sup>(1)</sup>	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Flextec® 500X 4-Pack Rack	Lug	K4466-1	380/460/575/3/50/60	500A/40V/60% 450A38V/100%	110/92/92	5-500A	71.22 x 36 x 35.5 (1809 x 914 x 902)	800 (363)
6-Pack Rack	Lug	K4465-1			147/123/123		71.22 x 48 x 35.5 (1809 x 1219 x 902)	1100 (499)
Caster Kit		K2665-1						

<sup>(1)</sup>Based on a 10 minute period. Output is for each individual machine.

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Flextec® 650X Inverter Racks

### Simple Operation, Advanced Gouging Power

- Handles DC stick, DC TIG, MIG, Flux-Cored and Gouging
- Power sources connect to one easy incoming power drop
- Individual fuses provide overcurrent protection for each power source
- Two overhead lift eyes, standard fork lift slots and optional casters provide easy maneuverability
- Engineered for outdoor use and harsh environments (IP23 rated) and Desert Duty® Rated for extreme temperatures up to 131 °F [55 °C]



#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

#### Output



#### Input



#### Literature

E5.92 and E5.96

Product Name	Output Connection	Product Number	Input Power Voltage/Phase/Hz	Rated Output: Current/Voltage/Duty Cycle <sup>(1)</sup>	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Flextec® 650X 4-Pack Rack	Lug	K3510-1	380/460/575/3/50/60	650A/44V/100% 750A/44V/60%	213/217/170A	10-815A	71.22 x 36 x 35.5 (1809 x 914 x 902)	950 (435)
Caster Kit		K2665-1						

<sup>(1)</sup>Based on a 10 minute period. Output is for each individual machine.

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Invertec® V276 Inverter Racks

Simple. Reliable. Flexible.

- One easy connection – Allows power sources to be connected with one primary power drop
- Available in 4 and 8-pack configurations
- Power sources connect to one easy incoming power drop with a common disconnect switch
- Individual fuses provide overcurrent protection for each power source
- Two overhead lifting eyes, standard fork lift slots and optional casters provide easy maneuverability



**Processes**

- Stick
- TIG
- Gouging

**Output**



**Input**



**Literature**

E5.92 and E2.161

Product Name	Output Connection	Product Number	Input Power Voltage/Phase/Hz	Rated Output: Current/Voltage/Duty Cycle <sup>(1)</sup>	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Invertec® V276 4-Pack Rack	Tweco®	K4869-1	208/230/460/575/3/60*	275A/31V/35%* 250A/30V/60% 200A/28V/100%	96/89/46/39A	20-275	55 x 23 x 29 (1397 x 585 x 737)	420 (191)
8-Pack Rack		K4869-2			161/149/77/65A		58 x 42 x 29 (1474 x 1067 x 737)	750 (341)
Caster Kit		K2665-1						

\* Rating not applicable for 208VAC 3-Phase

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Dual Maverick® 200/200X (Kubota®)

Harness the Power of Two

- Two welders powered by one diesel engine to save space and reduce maintenance
- Features CrossLinc® Technology to help improve jobsite safety, quality and productivity
- Variable speed RPM and Auto Stop/Start features lower fuel consumption
- Quiet machine - only 69 dBA with two operators running 1/8 in. (3.18 mm) Excalibur® 7018 MR® electrodes



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.52.1

Product Name	Product Number	Rated Output @104°F [40°C]	Output Range	Engine	No. of Cylinders	HP & Speed (rpm)	H x W x L in (mm)	Net Wt. lb (kg)
Dual Maverick™ 200/200X	K4382-2	Single Mode: 450A/24.5V/60% 335A/33.4V/60% 290A/31.6V/100%  Dual Mode: 225A/24.5V/60% 200A/28V/60% 170A/26.8V/100%	Single Mode: 50-450A DC  Dual Mode: 30-225A DC	Kubota® D902 Tier 4 Final Compliant	3	24.8 @ 3600	Machine Only: 36.1 x 27.0 x 65.0 (917 x 686 x 1651)  To Top of Exhaust Pipe: 44.4 (1147.5)	1160 (526)
Ready-Pak® Pkg. 1	K4382-2-RP1							—
Ready-Pak® Pkg. 3	K4382-2-RP3							—

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### Flextec® 350X Construction Inverter Racks

#### 4-Pack Rack [K3402-3]

- Flextec® 350X Empty 4-Pack Rack [K3400-2]
- Flextec® 350X Construction [Tweco®] [K4271-2]
- Flextec® 350X Locking Foot Kit [K4424-1]

#### 6-Pack Rack [K4277-2]

- Flextec® 350X Empty 6-Pack Rack [K4769-2]
- Flextec® 350X Locking Foot Kit [K4424-1]
- Flextec® 350X Construction [Tweco®] [K4271-2]

### Flextec® 350X PowerConnect® Inverter Racks

#### 4-Pack Rack [K4726-2]

- Flextec® 350X Empty 4-pack Rack [K3400-2]
- Flextec® 350X PowerConnect® [Tweco®] 4 ea. [K4273-2]
- Work Leads and Common Ground Studs

#### 6-Pack Rack [K4727-2]

- Flextec® 350X Empty 6-pack Rack [K4769-2]
- Flextec® 350X PowerConnect® [Tweco®] 6 ea. [K4273-2]
- Work Leads and Common Ground Studs

### Flextec® 350XP Inverter Racks

#### 4-Pack Rack [K3403-3]

- Flextec® 350X Empty 4-Pack Rack [K3400-2]
- Flextec® 350XP [Tweco®] 4 ea. [K4272-2]
- Work Leads and Common Ground Studs

#### 6-Pack Rack [K4281-2]

- Flextec® 350X Empty 6-Pack Rack [K4769-2]
- Flextec® 350XP [Tweco®] 6 ea. [K4272-2]
- Work Leads and Common Ground Studs

### Flextec® 500X Inverter Racks

#### 4-Pack Rack [K4466-1]

- 4 ea. Flextec® 500X Power Sources
- Tough Protective Inverter Rack

#### 6-Pack Rack [K4465-1]

- 6 ea. Flextec® 500X Power Sources
- Tough Protective Inverter Tack

### Flextec® 650X Inverter Rack

#### 4-Pack Rack [K3510-1]

- Flextec® 650X Power Source, 4 ea. [K3425-1]
- Locking Foot Kit
- Protective Inverter Rack Structure

### Invertec® V276 Inverter Racks

#### 4-Pack Rack [K4869-1]

- Invertec® V276 [Tweco®] Power Source, 4 ea. [K4868-1]
- 10 ft. Input Power Cable, 4 ea.
- 4 ea. Work Leads
- Common Work Stud
- Stud Cover
- Rack and Distribution Panel

#### 8-Pack Rack [K4869-2]

- Invertec® V276 [Tweco®] Power Sources, 8 ea. [K4868-1]
- 10 ft. Input Power Cable, 8 ea.
- 8 ea. Work Leads
- Common Work Stud
- Stud Cover
- Rack and Distribution Panel

### Dual Maverick® 200/200X

#### [Kubota®] Ready-Pak® 1 [K4382-2-RP1]

- Dual Maverick® 200/200X [Kubota®] [K4382-2]
- Electrode Holder - 400A, 60% Duty Cycle [K909-8] [EH-405HD]
- Cable Rack for Welder Trailers [K2640-1]
- Fender and Light Kit for Welder Trailers [K2639-1]
- Medium Two-Wheel Welder Trailer [K2636-1]
- Weld Cable, Tweco® Male and Female (3/0, 600A, 60%) 50 ft. (15.3 m) [K2485-3]
- Weld Cable, Tweco® Male and Open End (3/0, 600A, 60%) 10 ft. (3 m) [K2483-3]
- Insulated CT40FS Female Connector [K2487-1]
- Weld Cable, Tweco® Male and 0.53 Lug (3/0, 600A, 60%) - 50 ft. (15.3 m) [K2484-3]
- GC-500 Work Clamp - 500A, 60% Duty Cycle [K910-2]

#### [Kubota®] Ready-Pak® 3 [K4382-2-RP3]

- Dual Maverick® 200/200X [Kubota®] [K4382-2]
- Cable Rack for Welder Trailers [K2640-1]
- Fender and Light Kit for Welder Trailers [K2639-1]
- Medium Two-Wheel Welder Trailer [K2636-1]



# Accessories

Product Name	Product No.	Flextec® 350X				Flextec® 350X PowerConnect®		Flextec® 500X		Flextec® 650X		Inverter® V276		Dual Maverick™ 200/200X
		4-Pack Rack XP Standard	6-Pack Rack XP Standard	4-Pack Rack Construction	6-Pack Rack Construction	4-Pack Rack	6-Pack Rack	4-Pack Rack	6-Pack Rack	4-Pack Rack	4-Pack Rack	8-Pack Rack	Base Model	
		K3403-3	K4281-2	K3402-3	K4277-2	K4726-2	K4727-2	K4466-1	K4465-1	K3510-1	K4869-1	K4869-2	K4382-2	
<b>GENERAL</b>														
LC-40, Tweco® Style Plug (male, 1/0 Thru 2/0)	K3416-70	•	•	•	•	•	•				•	•		
LC-40, Tweco® Style Receptacle (female, 1/0 Thru 2/0)	K3417-70	•	•	•	•	•	•				•	•		
LC-40HD, Tweco® Style Plug (male, 3/0 Thru 4/0)	K3416-90	•	•	•	•	•	•				•	•		
LC-40HD, Tweco® Style Receptacle (female, 3/0 Thru 4/0)	K3417-90	•	•	•	•	•	•				•	•		
Remote Output Control, 6-pin, 25 ft (7.6 m)	K857										•	•	•	
Remote Output Control, 6-pin, 100 ft (30 m) (Compatible with Flextec® machines with addition of K2909-1, 12-pin to 6-pin adapter cable)	K857-1										•	•	•	
Remote output control, 12-pin, 25 ft (7.6 m)	K857-2	•	•	•	•	•	•	•	•	•				
Remote output control, 12-pin, 100 ft (30 m)	K857-3	•	•	•		•	•	•	•	•				
CrossLinc® Remote	K4345-1	•	•	•	•	•	•	•	•	•				•
Flextec® 350X 4-Pack to 8-Pack Rack Conversion Kit (included with full rack system)	K3410-1	•		•		•								
Flextec® 500X Locking Foot Kit	K3056-2									•				
Flextec® 350X Locking Foot Kit (included with full rack system)	K4424-1	•	•	•	•	•	•							
Caster Kit	K2665-1	•	•	•	•	•	•	•	•	•	•	•	•	

Tweco® is a registered trademark of Victor Technologies International, Inc.  
 For more information on our Extended Warranty program, visit [www.lincolnelectric.com/warranty](http://www.lincolnelectric.com/warranty)

• Optional



# ENGINE DRIVES: COMMERCIAL

MODEL	OUTPUT				PROCESS										FEATURES																			
	Mode	Polarity	Current Range (Amps)	AC Generator Power <sup>(1)</sup> (watts)	Stick	Pipe	DC TIG Scratch Start	Touch Start TIG <sup>®</sup>	AC TIG	MIG	Flux-Cored	Arc Gauge in (mm)	Battery Charger	Battery Jump	Compressor	Reactor Technology	Chopper Technology <sup>®</sup>	Tube Frame	Enclosed Case	Electric Fuel Gauge	Remote Capable	Downhill Pipe Mode	Arc Force Control	Hot Start	Digital Meters	Digital User Interface	Maintenance Screen	Automatic Start/Stop	Remote Start/Stop					
<b>GASOLINE</b>																																		
<b>Bulldog<sup>®</sup> 5500</b>	CC	AC	70-140 AC	5,500 S 4,000 C	●											●		●																
<b>Outback<sup>®</sup> 145</b>	CC	DC	50-145 DC	4,750 P 4,250 C	●											●		●																
<b>Outback<sup>®</sup> 185</b>	CC	DC	50-185 DC	5,700 P 5,200 C	●											●		●																
<b>Ranger<sup>®</sup> 225</b>	CC/ CV	DC	50-225 DC	10,500 P 9,000 C	●		●			●	●					●			●															
<b>Ranger<sup>®</sup> 250 GXT</b>	CC/ CV	AC/ DC	50-250 DC 50-250 AC	11,000 P 10,000 C	●		●		●	●	●	3/16 (4.8)				●			●	●	●													
<b>Ranger<sup>®</sup> 260MPX™</b>	CC/ CV	DC	20-260 DC 20-255 DC TIG	10,000 P 9,500 C	●					●	●	3/16 (4.8)				●			●	●	●				●	●	●							
<b>Ranger<sup>®</sup> Air 260MPX</b>	CC/ CV	DC	35 - 260A DC 25 - 260A DC TIG	11,500 P 9,000 C	●		●	●	●	●	●		●	●	●	●			●	●	●				●	●	●	●	●	●	●	●	●	
<b>Ranger<sup>®</sup> 305 G</b>	CC/ CV	DC	20-305 DC 40-300 DC Pipe 20-250 DC TIG	10,500 P 9,500 C	●	●		●		●	●	3/16 (4.8)				●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>Ranger<sup>®</sup> 330MPX™</b>	CC/ CV	DC	20-330 DC 40-330 DC Pipe 20-325 DC TIG	11500 P 10000 C	●	●		●		●	●	3/16 (4.8)				●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>Ranger<sup>®</sup> Air 330MPX™</b>	CC/ CV	DC	35 - 330A Stick 25 - 330A DC TIG	11500 P 10000 C	●	●		●		●	●	3/16 (4.8)	●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	
<b>LIQUID PROPANE GAS</b>																																		
<b>Ranger<sup>®</sup> 305 LPG</b>	CC/ CV	DC	20-300 DC 40-300 DC Pipe 20-250 DC TIG	10,000 P 9,000 C	●	●		●		●	●	3/16 (4.8)				●			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●

(1) P= Peak Power C = Continuous Power  
**KEY:** ● Excellent ● Good ● Optional

## Bulldog® 5500 (Kohler®)

The Stick Welder's Best Friend –  
Engine-Driven Welder

- AC welding with up to 1/8 in. (3.2 mm) stick electrode
- Low-Lift™ grab bars provide leverage for lifting on and off truck beds
- Rugged tube frame for sturdy protection
- 4,000 watts of continuous AC generator power



**Processes**

- Stick

**Output**



**Input**



**Literature**

E6.32

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	# of Cyl.	HP & Speed (rpm)	H x W x D in (mm)	Net Wt lb (kg)
<b>Bulldog® 5500</b>	K2708-2	125A AC/20V/30% 100A AC/25V/60%	70-140A AC 5,500 W Peak 4,000 W Continuous	Kohler® CH395	1	9.5 @ 3600	25.6 x 21.8 x 31.5 (651 x 553 x 800)	198 (90)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Outback® 145 (Kohler®)

Built for the Great Outdoors

- DC welding with up to 1/8 in. (3.2 mm) stick electrode
- Low-Lift™ grab bars provide leverage for lifting on and off truck beds
- Rugged tube frame for sturdy protection
- 4250 watts of continuous AC generator power
- 6.8 gallon fuel tank for extended run time



**Processes**

- Stick

**Output**



**Input**



**Literature**

E6.65

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	# of Cyl.	HP & Speed (rpm)	H x W x D in (mm)	Net Wt lb (kg)
<b>Outback® 145</b>	K2707-2	80A DC/25V/100% 100A DC/25V/60% 125A DC25V/30%	50-145A DC 4,750 W Peak 4,250 W Continuous	Kohler® CH395	1	8.9 @ 3600	25.6 x 21.8 x 31.5 (651 x 553 x 800)	234 (106)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Outback® 185 (Kohler®)

### Unleash the Power

- DC welding with up to 5/32 in. (4.0 mm) stick electrode
- Low-Lift™ grab bars provide leverage for lifting on and off truck beds
- Rugged tube frame for sturdy protection
- 5,200 watts of continuous AC generator power
- All engine controls on front control panel
- 6.8 gallon (25.74 L) fuel tank



**Processes**

- Stick

**Output**



**Input**



**Literature**

E6.70

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	# of Cyl.	HP & Speed (rpm)	H x W x D in (mm)	Net Wt lb (kg)
Outback® 185	K2706-2	100A DC/25V/100% 130A DC/25V/60% 150A DC25V/20%	50-185A DC 5,700 W Peak 5,200 W Continuous	Kohler® CH440	1	14 @ 3600	25.6 x 21.8 x 31.5 (651 x 553 x 800)	295 (134)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Ranger® 225

### Arm Yourself with the Right Welder for the Job

- Totally enclosed case protects the engine and limits noise
- Up to 225 amps of smooth DC welding output
- 9,000 watts of continuous AC generator power
- 12 gallon (45 L) tank for extended run times



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored

**Output**



**Input**



**Literature**

E6.89

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	# of Cyl.	HP & Speed (rpm)	H x W x D in (mm)	Net Wt lb (kg)
Ranger® 225	K2857-1	225A DC CC/25V/40% 210A DC CC/25V/100% 200A DC CV/20V/100%	50-225A DC 15-25V CV 10,500 W Peak 9,000 W Continuous	Kohler® OHV Command® CH730	2	23 @ 3600	29.9 x 21.5 x 42.3 (759 x 546 x 1074) To top of exhaust tube: 36.2 (920)	514 (233)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Ranger® 250 GXT

Extra Power, Extra Performance

- Totally enclosed case protects the engine and limits noise
- Versatile AC/DC welding up to 250 amps
- 12 gallon (45.42 L) fuel tank for long run times
- 10,000 watts of continuous AC generator power
- Choice of painted or stainless steel



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.96

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	# of Cyl.	HP & Speed (rpm)	H x W x D in (mm)	Net Wt lb (kg)
Ranger® 250 GXT Base Model	K2382-4	250A AC/DC CC/25V/100% 250A DC CV/25V/100%	50-250A AC/DC 14-28V CV 11,000 W Peak 10,000 W Continuous	Kohler® OHV Command CH730 (Electric Fuel Pump)	2	23 @ 3600	29.9 x 21.5 x 42.3 (759 x 546 x 1073)	602 (273)
w/ Stainless Steel Roof, Case Sides and Engine Doors	K2382-5						To top of exhaust tube: 36.2 (920)	

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Ranger® 260MPX™ (Kohler®)

Do More With Less

- Compact size for easy jobsite maneuverability
- 260 Amps of excellent DC welding
- Easy to use digital user interface equipped with Ready.Set.Weld® for a fast set-up
- Low decibel rating for operator comfort and safety
- 9,500 watts of clean continuous AC generator power for at home or on the job



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.105

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	# of Cylinders	HP & Speed (rpm)	H x W x D in (mm)	Net Wt lb (kg)
Ranger® 260MPX™ Base Model	K3458-1	260A DC CC/26V/100% 260A DC CV/26V/100%	20-260 DC 14-40V CV 20-255 DC TIG  10,000 W Peak 9,500 W Continuous	Kohler® OHV CH730 Electric Fuel Pump	2	23.5 @ 3600	26 x 20 x 36 (660 x 508 x 914)	446 (202)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## Ranger® Air 260MPX™

### Versatility with Unparalleled Performance

- Five key functionalities in one unit: Air Compressor, Generator, Battery Jump Assist, Battery Charge and Multi-Process Welder
- Delivers instant 40CFM @150 PSI, generating up to 30% more air power compared to other machines in its class
- 9KW of clean continuous AC generator power accommodates a variety of tools and equipment
- Capability to jump and charge 12V and 24V batteries on the jobsite. Get equipment started and keep productivity high with 260A for cold cranking assist



**Processes**

- Stick
- MIG
- TIG
- Flux-Cored

**Output**



**Input**



**Literature**

E6.600

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Power	# of Cyl.	Engine	HP & Speed (rpm)	H x W x D in (mm)	Net Wt lb (kg)
Ranger® Air 260MPX™	K5238-1	Battery Jump Assist: 260A Battery Charge: 25A or 50A CC-Stick: 231A/29.2V/100% Touch-Start TIG®: 255A/20.2V/100% CV-Wire: 253A/26.7V/100%	Battery Jump/Charge: 12V/24V  CC-Stick: 35A - 260A  Touch-Start TIG: 25 - 260A  CV-Wire: 35 - 260A	11,500 Watts Peak 9,000 Watts Continuous	2	Kohler®	26.5 HP @ 3600 RPM	Machine Only: 26 x 20 x 48 (660 x 508 x 914)  To Top of Exhaust: 29 (737)	565 (256)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Ranger® 305 G (Kohler®)

### An Engine-Driven Welder for All Seasons

- This portable powerhouse is designed for use with gas-powered equipment fleets
- Excellent DC multi-process welding up to 305 amps
- Equipped with digital weld meters to accurately monitor welding output
- 12 gallon (45 L) tank for extended run times
- 9,500 watts of continuous AC generator power



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.117

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	# of Cyl.	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
Ranger® 305 G Base Model	K1726-5	305A DC CC/29V/100% 300A DC CV/29V/100%	20-305A DC 40-300A Pipe 20-250A DC TIG 14-29V CV 10,500 W Peak 9,500 W Continuous	Kohler® OHV Command® CH730 Gas Electric Fuel Pump	2	23 @ 3600	29.9 x 21.5 x 42.3 (759 x 546 x 1074) To top of exhaust tube: 36.2 (920)	510 (231)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Ranger® 330MPX™

Smaller. Smarter. Quieter. More Powerful.

- 330 Amps of DC welding output to tackle any job
- Compact size for easy jobsite maneuverability
- Easy-to-Use digital user interface with advanced welding technology
- Low decibel rating for operator comfort and safety
- 10,000 watts of clean continuous AC generator power
- Features Crossline® Technology to help improve jobsite safety, quality and productivity



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.110

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	# of Cyl.	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Ranger® 330MPX™ Base Model</b>	K3459-1	330A DC CC/28V/100% 312A DC CV/29V/100%	35-330A DC 35-330A Pipe 14-40V CV 25-330A DC TIG  11,500 W Peak 10,000 W Continuous	Kohler® OHV CH740 Electric Fuel Pump	2	25 @ 3600	26 x20 x36 (660 x 508 x 914)	446 (202)
<b>EFI Model</b>	K4779-1			Kohler® OHV Command® ECH740 Gasoline				

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Ranger® Air 330MPX™

Versatility with Unparalleled Performance

- Five key functionalities in one unit: Air Compressor, Generator, Battery Jump Assist, Battery Charge and Multi-Process Welder
- Delivers instant 40CFM @150 PSI, generating up to 30% more air power compared to other machines in its class
- 10KW of clean continuous AC generator power accommodates a variety of tools and equipment
- Capability to jump and charge 12V and 24V batteries on the jobsite. Get equipment started and keep productivity high with 260A for cold cranking assist



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.600.1

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	# of Cyl.	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Ranger® Air 330MPX™ Base Model</b>	K5239-1	Battery Jump Assist: 330A Battery Charge: 25A or 50A IEC Rating: CC-Stick: 292A/31.7V/100% Touch-Start TIG®: 325A/23.0V/100% CV-Wire: 312A/29.6V/100% NON-IEC Rating: 330A/28V/100%	Battery Jump/Charge: 12V/24V CC-Stick: 35A - 330A Touch-Start TIG: 25A - 330A CV-Wire: 35A - 330A	Kohler OHV Command ECH749	2	26.5 HP @ 3600 RPM 45 cu in (725 cc)	Machine Only: 26 x 20 x 48 (660 x 508 x 914)  To Top of Exhaust: 29 (737)	565 (256)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

# Ranger® 305 LPG

## For Specialized Environments

- Choose the Ranger 305 LPG for those environments where gasoline and diesel emissions are not acceptable
- Excellent DC multi-process welding up to 305 amps
- Digital weld meters monitor actual welding output
- 9000 watts of continuous AC generator power



### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

### Output



### Input



### Literature

E6.119

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	# of Cyl.	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
Ranger® 305 LPG Base Model	K2937-1	300A DC CC/25V/100% 300A DC CV/25V/100%	20-300A DC 40-300A Pipe 20-250A DC TIG 14-29V CV 10,000 W Peak 9,000 W Continuous	Kohler® OHV Command® CH730 LP	2	25 @ 3600	29.9 x 21.5 x 42.3 (759 x 546 x 1074) To top of exhaust tube: 36.2 (920)	480 (218)
One-Pak®	K3430-2						—	—
Ready-Pak®	K5168-1							

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### Ranger® 305 LPG

#### One-Pak® (K3430-2)

- Ranger® 305 LPG Engine Drive Welder (Kohler®) (K2937-1)
- Factory Undercarriage (Pneumatic) (K1770-2)
- LPG Tank Holder (K1745-2)

### Ranger® Air 260MPX™

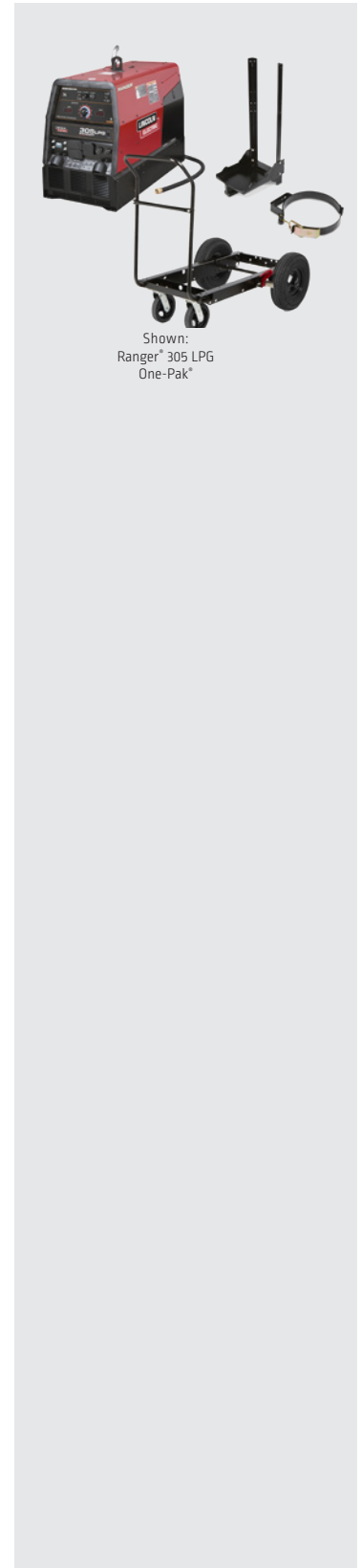
#### Multi-Function Engine Drive (K5238-1)

- Ranger® Air 260MPX™ Engine Drive Welder
- Basic Wireless Remote for Engine Stop/Start Functionality

### Ranger® 305 LPG

#### Ready-Pak® (K5168-1)

- Ranger® 305 LPG Engine Driven Welder (Kohler®) (K2937-1)
- Factory Undercarriage (Pneumatic) (K1770-2)
- LPG Tank Holder (K1745-2)



Shown:  
Ranger® 305 LPG  
One-Pak®

# Accessories

Product Name	Product No.	Bulldog® 5500	Outback® 145	Outback® 185	Ranger® 225	Ranger® 250 GXT	Ranger® 260MPX®	Ranger® Air 260MPX™	Ranger® 305 G	Ranger® 330MPX™	Ranger® 305 LPG	Ranger® Air 330MPX™
		Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model
<b>GENERAL</b>												
NEXTime™ Wireless Module Installation Kit	K4447-1				•	•				•		•
Undercarriage	K2722-1	•	•	•								
Adjustable Gas Regulator and Hose Kit	K586-1						•					
Wireless Foot Pedal for TIG Welding	K4986-1						•					
Gas Cylinder Holder	K3592-1						•					
All-Terrain Undercarriage	K1737-4				•	•			•			
All-Terrain Undercarriage with Flat-Free Tires (Replacement Tires KP4925-1 & KP4926-1)	K1737-3				•	•			•			
All Terrain Undercarriage	K3590-1						•			•		
All-Terrain Undercarriage with Flat-Free Tires (Replacement Tires KP4927-1)	K3590-2						•			•		
Factory Undercarriage	K1770-2				•				•		•	
Factory Undercarriage with Flat-Free Tires (Replacement Tire KP4926-1)	K1770-3				•				•		•	
Factory Undercarriage	K3589-1						•			•		
Factory Undercarriage with Flat-Free Tires (Replacement Tires KP4927-1)	K3589-4						•			•		
Lift Bail Kit	K2819-1	•	•	•								
Canvas Cover	K2804-1	•	•	•								
Canvas Cover	K886-2				•	•			•		•	
Ballistic Nylon Cover	K5492-1							•				•
Ballistic Nylon Cover	K3588-1						•			•		
Power Plug Kit, 20 amp	K802N				•	•	•		•	•	•	
Advanced Wireless Controller	K5265-3							•				•
Battery Jump Cables	K5495-1							•				•
Air Compressor Service Kit for 50 Hours	K5494-2							•				•
Air Compressor Service Kit for 500 Hours	K5494-1							•				•
Full-KVA Power Plug (1-phase)	T12153-9				•	•			•		•	
GFCI Receptacle Kit, 120V, 20 Amp (2 required)	K1690-1	•	•	•	•	•			•			
Remote Control Kit, for 125 ft.	K4330-1							•				•
Remote Control Kit, for 125 ft. w/115VAC Receptacle	K4268-1							•				•
Spark Arrestor Kit	K1898-1				•	•			•			
Spark Arrestor Kit	K2793-1			•								
Spark Arrestor Kit	K3679-1						•			•		
Welding Gas Cylinder	K1745-1				•	•			•		•	
LLPG Tank Holder	K1745-2										•	
Small 2-Wheel Road Trailer & Duo-Hitch® Ball/Eye Hitch	K2635-1				•	•	•		•	•		
Fender and Light Kit	K2639-1				•	•	•		•	•		
Cable Rack	K2640-1				•	•	•		•	•		
Polarity/Multi-Process Switch	K2642-1								•		•	
Docking Kit	K2663-1								•		•	
Kohler® Tune-Up Kit	K3494-1				•	•	•		•	•		
Kohler® tune-Up Kit	K5546-1							•				•
Strain Relief Kit	K5322-1							•				•
Rotatable Exhaust Kit	K4895-1							•				•
<b>STICK</b>												
Accessory Kit, 400 Amp	K704				•	•			•	•	•	
Accessory Kit, 150 Amp	K875	•	•	•	•	•	•				•	
Remote Output Control, 25 ft (7.6 m)	K857					•			•		•	
Remote Output Control, 100 ft (30.5 m)	K857-1					•			•	•	•	
Remote Output Control with 120V AC, 100 ft (30.5 m), 20 amp capacity	K2627-2					•			•		•	
CrossLinc® Remote	K4345-1						•			•		

• Optional



# Accessories

Product Name	Product No.																							
		Base Model	Bulldog® 5500	Base Model	Outback® 145	Base Model	Outback® 185	Base Model	Ranger® 225	Base Model	Rangrr® 250 GXT	Base Model	Ranger® 260MPX™	Base Model	Ranger® Air 260MPX™	Base Model	Ranger® 305 G	Base Model	Ranger® 330MPX™	Base Model	Ranger® 305 LPG	Base Model	Ranger® Air 330MPX™	
<b>TIG</b>																								
Pro-Torch™ TIG Torch PTA-26, 25 ft. (7.6 m), 2 pc	K1783-4																							
Pro-Torch™ TIG Torch PTA-26V, 25 ft. (7.6 m), 2 pc	K1783-9																							
Parts Kit For PTW-18 and PTA-26 Series Torches	KP509																							
Control Cable (9-pin to 6-pin and 115V plug)	K936-3																							
Control Cable Extension, 45 ft. (13.7 m)	K937-45																							
Hand Amptrol™ (Rotary Track Style)	K963-3																							
Foot Amptrol™	K870																							
Wireless Foot Amptrol™	K4217-1																							
Contact Kit	K938-1																							
Docking Kit	K939-1																							
Full-KVA Adapter Kit (1-phase)	K1816-1																							
TIG Module	K930-2																							
Square Wave® TIG 200	K5126-1																							
<b>WIRE FEEDER</b>																								
K126™ PRO FCAW-SS Gun, 15 ft. (4.6 m), 0.062-5/64 in. (1.6-2.0 mm)	K126-12																							
POWER MIG® 140C	K2471-2																							
POWER MIG® 180C	K2473-2																							
POWER MIG® 180 Dual	K3018-2																							
POWER MIG® 210 MP®	K3963-1																							
LN-25X with CrossLinc® Technology	K4267-1																							
Activ8X™	K3519-1																							
<b>SPOOL GUN</b>																								
Magnum® SG Spool Gun, Air-Cooled, w/Remote, 25 ft.. (7.6 m)	K487-25																							
Magnum® PRO 100SG SPool Gun, 4 Pin, 10 ft.	K3269-1																							
Magnum® PRO 250LX™ GT	K3569-2																							
SG Control Module	K488																							
Control Module Input Cable, 14-pin MS-type & Lug, 10 ft. (3.0 m)	K691-10																							
<b>PLASMA CUTTING</b>																								
Tomahawk® 30 Air	K5457-1																							
Tomahawk® 45	K5458-1																							
Tomahawk® 1000	K2808-1																							
2-YEAR EXTENDED WARRANTY AVAILABLE	—																							

For more information on our Extended Warranty program, visit [www.lincolnelectric.com/warranty](http://www.lincolnelectric.com/warranty)

● Optional

# ENGINE DRIVES: INDUSTRIAL

MODEL	OUTPUT			PROCESS								FEATURES										
	Mode	Polarity	Current Range (Amps)	AC Generator Power (watts) C = Continuous P = Peak	Stick	Pipe	DC TIG Scratch Start	Touch Start TIG®	AC TIG	MIG	Flux-Cored	Arc Gouge in (mm)	Pure DC Generator	Chopper Technology®	CrossLinc®	Dual Operator	Stainless Steel Case	Digital Interface	Weld Meters	Voltage Reduction Device™ [VRD™]	Air Compressor	Hydraulic Pump
Dual Maverick® 200/200X	CC/CV	DC	Single: 50-450 DC Stick Dual: 30-225 DC Stick	1-Phase: 10,000 C	●	●	●	●	○	●	●	3/8 (9.5)		●	●	●		●	●			
Cross Country® 300	CC/CV	DC	40-300 DC	3-Phase: 11,000 C 1-Phase: 10,000 C	●	●	●	●	○	●	●	1/4 (6.3)		●			●		●	●		
Vantage® 322	CC/CV	DC	30-400 DC	3-Phase: 11,000 C 1-Phase: 10,000 C	●	●	●	●	○	●	●	1/4 (6.3)		●			●		●	●		
Frontier® 400X	CC/CV	DC	5-400 DC	3-Phase: 11,000 C 1-Phase: 10,000 C	●		●	●	○	●	●	5/16 (8.0)		●	●		●	●	●	●		
Frontier® 400X Pipe	CC/CV	DC	5-400 DC	3-Phase: 11,000 C 1-Phase: 10,000 C	●	●	●	●	○	●	●	5/16 (8.0)		●	●		●	●	●	●		
Vantage® 549X	CC/CV	DC	30-575 DC	3-Phase: 19,000 C 1-Phase: 11,000 C	●	●	●	●	○	●	●	3/8 (9.5)		●	●		●		●	●		
Vantage® 566X	CC/CV	DC	30-600 DC	3-Phase: 20,000 C 1-Phase: 12,000 C	●	●	●	●	○	●	●	3/8 (9.5)		●	●		●		●	●		
Air Vantage® 566X	CC/CV	DC	30-600 DC	3-Phase: 20,000 C 1-Phase: 12,000 C	●	●	●	●	○	●	●	3/8 (9.5)		●	●		●		●	●	●	
Air Vantage® 566X Hydraulic	CC/CV	DC	30-600DC	3-Phase: 20,000 C 1-Phase: 12,000 C	●	●	●	●	○	●	●	3/8 (9.5)		●	●		●		●	●	●	●
Maverick® 260X	CC/CV	DC	25-300 DC	3-Phase: 11,000 C 1-Phase: 10,000 C	●	●	●			●	●	●		●	●			●	●	●		
Maverick® 325X	CC/CV	DC	25-250 DC	1 Phase: 10,000 C	●	●	●			●	●	●		●	●			●	●	●		

KEY: ● Excellent ◐ Good ○ Optional

## Cross Country® 300

### Purpose-Built For Pipe Welding

- Compact and portable: lighter weight and smaller footprint for easy transport
- Dual controls are designed for pipeline welding
- Supports DC, stick, wire and TIG processes
- Powerful generator for grinders, pumps and travel trailers
- Factory-installed engine block heater



#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

#### Output



#### Input



#### Literature

E6.170

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	No. of Cylinders	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Cross Country® 300</b> Gray Painted Steel Case Base Model	K4166-1	DC Pipe Current: 300A/32V/100% Range: 40-300 AMPS  DC Touch Start TIG® 250A/30V/100% Range: 20-250 Amps	DC Constant Voltage 300A/32V/100% 350A/28V/100%  Range: 14-32 Volts Single Dial Continuous Control	Kubota® V1505(6) EPA Tier 4 Final 4 Cylinder, 4 Cycle Water-Cooled Diesel Engine, 12V Electric Start, Dry Type Air Cleaner, Fuel Filter and Water Separator	4	22 HP @ 1800 RPM 91 cu in (1.5 ltrs)	31.9 x 25.3 x 56 (810 x 643 x 1422)	1034 (469)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Vantage® 322

### Compact. Multi-Process. Excellent Value.

- Ideal choice for construction teams, pipe rig owners and rental fleet owners
- Quiet, compact with stainless steel panels for added durability
- Select one of five process modes
- Plenty of AC generator power to run jobsite tools
- Industry proven Kubota® diesel engine



#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

#### Output



#### Input



#### Literature

E6.209

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	Auxiliary Power	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Vantage® 322</b> Base Model	K2409-5	IEC Rating: 300A/32V/100%	30-400A CC/CV 40-300A Pipe 20-250A TIG 90-300A Gouge	Kubota® V1505 4 Cylinder Diesel EPA Tier 4 Final Compliant	1-Phase 11.5 kW Peak 10 kW Continuous 120/240V AC, 60Hz	22 @ 1800	35.9 x 25.3 x 60 (913 x 643 x 1524)	1006 (456)
Ready-Pak® 1*	K2409-5-RP1	Max Rating: 400A/23V/100%			3-Phase 12.5 kW Peak 11 kW Continuous 240V, 60Hz		To top of exhaust tube: 44.3 (1124)	1517 (688)
Ready-Pak® 2*	K2409-5-RP2							1367 (620)
Ready-Pak® 3*	K2409-5-RP3							1417 (643)

\* For more information on each Ready-Pak®, please view the What's Included portion of this section

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Frontier® 400X

### The New Frontier of Performance

- Bright, durable 7 in. digital user interface for unmatched machine control – including save and recall memories, maintenance reminders, and PIN authorization
- Up to 400 amps of weld output and 11 kW of auxiliary power in a compact and quiet package
- Features basic CC and CV modes, plus specialized modes to support mechanized and pulse welding
- Features CrossLinc® Technology to help improve jobsite safety, quality and productivity
- Auto-Stop/Start Technology – Save on fuel and avoid excessive idling and engine wear



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.59

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	AC Generator Auxiliary Power	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Frontier® 400X Base Model</b>	K3484-1 (Perkins®) K3484-2 (Kubota®)	IEC Rating: 325A/33V/100%	Stick / Pipe: 30 – 400 Amps	Perkins® 403F-15T 3 Cylinder 24.7 hp (18.4 kW)	Single Phase: 10 kW Continuous, 11.5 kW Peak, 120V/240V @ 60 Hz	24.7 @ 1800	35.9 x 25.3 x 60 (912 x 643 x 1524)	1186 (538)
<b>Ready-Pak® 1*</b>	K3484-1-RP1 (Perkins®) K3484-2-RP1 (Kubota®)	Max Rating: 400A/26V/60%	DC TIG: 5 – 400 Amps	Turbocharged Water Cooled Diesel Engine Tier 4 Final Compliant	Three Phase: 11 kW Continuous, 12.5 kW Peak, 240V @ 60 Hz		To Top of Exhaust Tube: 43.8 (1113)	1567.5 (711)
<b>Ready-Pak® 2*</b>	K3484-1-RP2 (Perkins®) K3484-2-RP2 (Kubota®)		MIG / FCAW: 10 – 45 Volts	Kubota® D1503-M 3 Cylinder 24.8 hp (18.5 kW) Naturally Aspirated Water Cooled Diesel Engine Tier 4 Final Compliant				
<b>Ready-Pak® 3*</b>	K3484-1-RP3 (Perkins®) K3484-2-RP3 (Kubota®)		Arc Gouging: 60 – 400 Amps					

\* For more information on each Ready-Pak®, please view the What's Included portion of this section



## Frontier® 400X Pipe

### The Do-it-All Pipeline Machine

- Bright, durable 7 in. digital user interface for unmatched machine control – including save and recall memories, maintenance reminders, and PIN authorization
- Up to 400 amps of welding output and 11 kW of auxiliary power in a compact and quiet package
- Features basic CC and CV modes, plus specialized modes to support mechanized and pulse welding, and dedicated Pipe mode to produce the iconic, smooth DC-style arc for downhill pipe welding
- Features CrossLinc® Technology to help improve jobsite safety, quality and productivity
- Auto-Stop/Start Technology – Save on fuel and avoid excessive idling and engine wear



#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

#### Output



#### Input



#### Literature

E6.59.1

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	AC Generator Auxiliary Power	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
Frontier® 400X Pipe	K3485-1 (Perkins®)	IEC Rating – 325A / 33V / 100%  Max Rating – 400A / 26V / 60%	Stick / Pipe: 30 – 400 Amps  DC TIG: 5 – 400 Amps  MIG / FCAW: 10 – 45 Volts  Arc Gouging: 60 – 400 Amps	Perkins® 403F-15T 3 Cylinder 24.7 hp (18.4 kW) Turbocharged Water Cooled Diesel Engine Tier 4 Final Compliant	Single Phase: 10 kW Continuous, 11.5 kW Peak, 120V/240V @ 60 Hz  Three Phase: 11 kW Continuous, 12.5 kW Peak, 240V @ 60 Hz	24.7 @ 1800	35.9 x 25.3 x 60 (912 X 643 x 1524)  To Top of Exhaust Tube: 43.8 (1113)	1186 (538)
	K3485-2 (Kubota®)			Kubota® D1503-M 3 Cylinder 24.8 hp (18.5 kW) Naturally Aspirated Water Cooled Diesel Engine Tier 4 Final Compliant				1035 (469)



## Vantage® 549X

### Power Without Boundaries

- Powerful, multi-process machine with advanced welding capabilities
- Compliant 49.4 horsepower engine meets all federal and state emission regulations without the worry of additional compliance fees
- Lab tested, field proven ruggedness for the harshest environments
- Turbo-charged engine provides excellent cold weather and high altitude performance
- Features CrossLinc® Technology to help improve jobsite safety, quality and productivity



**Processes**

- Stick
- TIG
- MIG
- Pulsed MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.213.2

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	AC Generator Auxiliary Power	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Vantage® 549X Base Model</b>	K3534-2	IEP Rating: 525A/41V/100%	CC-Stick: 30 – 575 Amps	Deutz® TD2.9L4 Turbo-charged 4 Cylinder Diesel EPA Tier 4 Final Compliant	Single Phase: 11 kW Continuous, 120V/240V @ 60 Hz	49.4 @ 1800	42 x 32.9 x 69 (1067 x 836 x 1753)	1662 (753)
Ready-Pak® 1*	K3534-2-RP1	Max Rating: 575A/38V/60%	Downhill Pipe (CC): 40 – 350 Amps		Three Phase: 17 kW Continuous, 240V @ 60 Hz		To top of air intake: 58.1 (1476)	2134 (968)
Ready-Pak® 2*	K3534-2-RP2		Touch Start® TIG: 20 - 350 Amps					2134 (968)
Ready-Pak® 3*	K3534-2-RP3		CV-Wire: 10 – 45 Volts Arc Gouging: 60 – 575 Amps					2134 (968)

\* For more information on each Ready-Pak®, please view the What's Included portion of this section

## Vantage® 566X

### A Rugged and Reliable Powerhouse

- Powerful, multi-process machine with advanced welding capabilities
- Lab tested, field proven ruggedness for the harshest environments
- Turbo-charged engine provides excellent cold weather and high altitude performance
- Reliable operations with low machine maintenance
- Features CrossLinc® Technology to help improve jobsite safety, quality and productivity



#### Processes

- Stick
- TIG
- MIG
- Pulsed MIG
- Flux-Cored
- Gouging

#### Output



#### Input



#### Literature

6.520

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	AC Generator Auxiliary Power	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
Vantage® 566X Base Model	K3239-3	IEP Rating: 525A/41V/100%	CC-Stick: 30 – 600 Amps	Deutz® TD2.9L4 Turbo-charged 4 Cylinder Diesel EPA Tier 4 Final Compliant	Single Phase: 12 kW Continuous, 120V/240V @ 60 Hz	65.7 @ 1800	42 x 32.9 x 69 (1067 x 836 x 1753)  To top of air intake: 58.1 (1476)	1662 (754)
Ready-Pak® 1*	K3239-3-RP1	Max Rating: 600A/40V/60%	Downhill Pipe (CC): 40 – 350 Amps  Touch Start® TIG: 20 - 350 Amps  CV-Wire: 10 – 45 Volts  Arc Gouging: 60 – 600 Amps		Three Phase: 20 kW Continuous, 240V @ 60 H			2134 (968)
Ready-Pak® 3*	K3239-3-RP3							2134 (968)

\* For more information on each Ready-Pak®, please view the What's Included portion of this section

## Air Vantage® 566X

### On Demand Versatility

- Powerful, multi-function machine includes a welder, generator, and air compressor
- Belt-driven compressor with separate gauges to monitor hours and air pressure
- Multi-process welding with advanced welding capabilities
- Turbocharged engine provides excellent cold weather and high altitude performance
- Features CrossLinc® Technology to help improve jobsite safety, quality and productivity



#### Processes

- Stick
- TIG
- MIG
- Pulsed MIG
- Flux-Cored
- Gouging

#### Output



#### Input



#### Literature

E6.510

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	AC Generator Auxiliary Power	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Air Vantage® 566X Base Model</b>	K3242-3	IEP Rating: 525A/41V/100%	CC-Stick: 30 – 600 Amps	Deutz® TD2.9L4 Turbo-charged 4 Cylinder Diesel EPA Tier 4 Final Compliant	Single Phase: 12 kW Continuous, 120V/240V @ 60 Hz	65.7 @ 1800	42 x 32.9 x 69 (1067 x 836 x 1753)	1737 (788)
<b>Ready-Pak® 1*</b>	K3242-3-RP1	Max Rating: 600A/40V/60%	Downhill Pipe (CC): 40 – 350 Amps		Three Phase: 20 kW Continuous, 240V @ 60 Hz		To top of air intake: 58.1 (1476)	2159 (979)
<b>Ready-Pak® 3*</b>	K3242-3-RP3		Touch Start® TIG: 20 - 350 Amps CV-Wire: 10 – 45 Volts Arc Gouging: 60 – 600 Amps					2109 (957)

\* For more information on each Ready-Pak®, please view the What's Included portion of this section

## Air Vantage® 566X Hydraulic (Deutz®)

### The Ultimate Utility Machine

- Versatile and powerful, it boasts a 575 amp welder, 20 kW generator, 60 cfm air compressor and 14 gpm hydraulic pump which all combine to create a truly epic 4-in-1 workhorse
- Includes our patented Chopper® Technology and its CrossLinc® enabled
- Built-in True Voltage Technology™ compensates for voltage drop
- Customized modes for stainless, aluminum, and steel as well as advanced SAW and Orbital pipe modes



**Processes**

- Stick
- TIG
- MIG
- Pulsed MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

MC20-28

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	AC Generator Auxiliary Power	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Air Vantage® 566X Hydraulic (Deutz®) Base Model</b>	K4343-4	525A/41V/100% 600A/40V/60%	CC-Stick: 30 – 600 Amps Downhill Pipe (CC): 40 – 350 Amps Touch Start® TIG: 20 - 350 Amps CV-Wire: 10 – 45 Volts Arc Gouging: 60 – 600 Amps	Deutz® TD2.9L4 Turbo-charged 4 Cylinder Turbo-Charged Water-Cooled Diesel Engine, US EPA Tier 4 Final	Single Phase: 12 kW Continuous, 120V/240V @ 60 Hz  Three Phase: 20 kW Continuous, 240V @ 60 Hz	65.7 @ 1800	42 x 32.9 x 69 (1067 x 836 x 1753)  To top of air intake: 58.1 (1476)	1800 (816)

## Maverick® 260X

### Small on Size, Big on Performance

- Plenty of power with 300 amps of welding output and 9.0 kW of clean, single-phase auxiliary power
- Specialized stick modes, wire welding capability, and direct-connect spool gun for pulsed aluminum
- Durable, 4.6 in. digital display for full machine control - including process setup, maintenance reminders, and PIN authorization
- CrossLinc® enabled so you can change welder parameters at the arc without an additional control cable - helping to increase productivity, promote safety, and improve weld quality
- Auto-Stop/Start Technology – Save on fuel and avoid excess idling and engine wear



#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

#### Output



#### Input



#### Literature

E6.224

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	AC Generator Auxiliary Power	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
Maverick® 260X	K5272-1	IEC Rating - 260A / 30.4V / 100%,  Max Rating: 300A/26.3V/100%	Stick / Pipe: 30-300 Amps  DC TIG: 25 - 300 Amps  MIG / FCAW: 13 - 40 Volts  Arc Gouging: 100 - 300 Amps	Kubota® Z602 2-Cylinder 16.8 hp (12.36 kW) Naturally Aspirated Water Cooled Diesel Engine. Tier 4 Final Compliant	Single Phase: 9.0 kW Continuous, 120V/240V @ 60 Hz	Peak 80 OCV @ 3600 RPM	39.25 x 21.25 x 42.34 (997 x 539.8 x 1075.4)  To Top of Exhaust Pipe: 48.05 (1221)	620 (281)



## Dual Maverick™ 200/200X (Kubota®)

### Harness the Power of Two

- Two welders powered by one diesel engine to save space and reduce maintenance
- Features CrossLinc® Technology to help improve jobsite safety, quality and productivity
- Variable speed RPM and Auto Stop/Start features lower fuel consumption
- Quiet machine - Only 69 dBA with two operators running 1/8 in. Excalibur® 7018 MR® electrodes



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.52.1

Product Name	Product Number	Rated Output @104°F (40°C)	Output Range	Engine	AC Generator Auxiliary Power	HP & Speed (rpm)	H x W x L in (mm)	Net Wt. lb (kg)
Dual Maverick™ 200/200X	K4382-2	Single Mode Max Rating: 450A/24.5V/60% <sup>(5)</sup>  IEC Rating: 335A/33.4V/60% <sup>(5)</sup>	Single Mode CC-Stick: 50-450 Amps  Downhill Pipe (CC): 50-450 Amps	Kubota® D902 3 Cylinder Water Cooled Diesel Tier 4 Final Compliant	Single Phase: 10kW @ 60 Hz	24.8 @ 3600	Machine Only: 36.1 x 27.0 x 65.0 (917 x 686 x 1651)  To Top of Exhaust Pipe: 44.4 (1128)	1160 (526)
Ready-Pak® 3*	K4382-2-RP3	290A/31.6V/100%  Dual Mode Max Rating: 225A/24.5V/60% <sup>(5)</sup>  IEC Rating: 200A/28V/60% <sup>(5)</sup> 170A/26.8V/100%	Touch Start® TIG: 20-255 Amps  CV-Wire: 13-40 Volts  Arc Gouging: 100-450 Amps  Dual Mode CC-Stick: 30-225 Amps  Downhill Pipe (CC): 30-225 Amps  Touch Start® TIG: 20-250 Amps  CV-Wire: 13-40 Volts  Arc Gouging: 100-250 Amps					1522 (690)

<sup>(5)</sup> Rated for 60% when above 91° F (33° C). When below, the machine can be run at 100% duty cycle.

\* For more information on each Ready-Pak®, please view the What's Included portion of this section

# Maverick® 325X

## Diesel Engine Driven Welder/Generator

- A multi-process workhorse with specialized stick modes, wire welding capability, and direct-connect spool gun for pulsed aluminum
- Durable, 4.6 in. digital display for full machine control including process setup, maintenance reminders, and PIN authorization
- CrossLinc® enabled allowing welders to change parameters at the arc without an additional control cable - helping to increase productivity, promote safety, and improve weld quality
- Variable engine RPM automatically adjusts engine speed to reduce fuel consumption and engine noise



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.211.2

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	AC Generator Auxiliary Power	HP & Speed (rpm) @ 24.8 HP	H x W x D in (mm)	Net Wt. lb (kg)
Maverick® 325X	K3581-1	IEC Rating - 325A/33V/100% 350A/34V/60%	Stick / Pipe: 35 - 400 Amps	Kubota® D902 3 Cylinder 24.8 hp (18.5 kW), Naturally Aspirated	Single Phase: 10 kW Continuous, 11.5 kW Peak, 120V/240V @ 60 Hz	High Idle: 3600 Low Idle: 2500 Under Load: Variable	34.25 x 21.25 x 54.29 (870 x 540 x 1379)	750 (340)
Ready-Pak® 1*	K3581-1-RP1	Max Rating - 400V/29V/60%	DC TIG: 25 - 250 Amps	Water Cooled Diesel Engine Tier 4 Final Compliant			To Top of Exhaust Pipe: 34.2 (870)	1241 (563)
Ready-Pak® 3*	K3581-1-RP3		MIG / FCAW: 13 - 40 Volts Arc Gouging: 60 - 400 Amps					1178 (534)

\* For more information on each Ready-Pak®, please view the What's Included portion of this section

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Vantage® 322

#### Ready-Pak® 1 (K2409-5-RP1)

- Vantage® 322 (Kubota®) (K2409-5)
- Weld Cable - Tweco® Male and Open End (2/0, 350A, 60%) - 10 ft. (3 m) (K2483-2)
- EH-305HD Electrode Holder - 300A, 60% Duty Cycle (K909-7)
- Cable Rack for Welder Trailers (K2640-1)
- Fender and Light Kit for Welder Trailers (K2639-1)
- Medium Two-Wheel Welder Trailer (K2636-1)
- Weld Cable - Tweco® Male and Female (2/0, 350A, 60%) - 50 ft. (15.3 m) (K2485-2)
- Insulated CT40FS Female Connector (K2487-1)
- Weld Cable - Tweco® Male and 0.53 Lug (2/0, 350A, 60%) - 50 ft. (15.3 m) (K2484-2)
- GC-300 Work Clamp - 300A, 60% Duty Cycle (K910-1)

#### Ready-Pak® 2 (K2409-5-RP2)

- Vantage® 322 (K2409-5)
- Medium 2-Wheel Road Trailer & Duo-Hitch® Ball/Lunette Eye Hitch (K2636-1)

#### Ready-Pak® 3 (K2409-5-RP3)

- Vantage® 322 (Kubota®) (K2409-5)
- Cable Rack for Welder Trailers (K2640-1)
- Fender and Light Kit for Welder Trailers (K2639-1)
- Medium Two-Wheel Welder Trailer (K2636-1)

### Frontier® 400X

#### Ready-Pak® 1 - Perkins® (K3484-1-RP1)

#### Ready-Pak® 1 - Kubota® (K3484-2-RP1)

- Frontier® 400X
- Weld Cable - Tweco® Male and Open End (2/0, 350A, 60%) - 10 ft. (3 m) (K2483-2)
- EH-305HD Electrode Holder - 300A, 60% Duty Cycle (K909-7)
- Cable Rack for Welder Trailers (K2640-1)
- Fender and Light Kit for Welder Trailers (K2639-1)
- Medium Two-Wheel Welder Trailer (K2636-1)
- Weld Cable - Tweco® Male and Female (2/0, 350A, 60%) - 50 ft. (15.3 m) (K2485-2)
- Insulated CT40FS Female Connector (K2487-1)
- Weld Cable - Tweco® Male and 0.53 Lug (2/0, 350A, 60%) - 50 ft. (15.3 m) (K2484-2)
- GC-300 Work Clamp - 300A, 60% Duty Cycle (K910-1)

#### Ready-Pak® 2 - Perkins® (K3484-1-RP2)

#### Ready-Pak® 2 - Kubota® (K3484-2-RP2)

- Frontier® 400X
- Fender and Light Kit for Welder Trailers (K2639-1)
- Medium Two-Wheel Welder Trailer (K2636-1)

#### Ready-Pak® 3 - Perkins® (K3484-1-RP3)

#### Ready-Pak® 3 - Kubota® (K3484-2-RP3)

- Frontier® 400X
- Cable Rack for Welder Trailers (K2640-1)
- Fender and Light Kit for Welder Trailers (K2639-1)
- Medium Two-Wheel Welder Trailer (K2636-1)

### Vantage® 549X

#### Ready-Pak® 1 (K3534-2-RP1)

- Vantage® 549X (Deutz®) (K3534-2)
- EH-405HD Electrode Holder - 400A, 60% Duty Cycle (K909-8)
- Cable Rack for Welder Trailers (K2640-1)
- Fender and Light Kit for Welder Trailers (K2639-1)
- Large Two-Wheel Welder Trailer (K2637-2)
- Weld Cable - Tweco® Male and Female (3/0, 600A, 60%) - 50 ft. (15.3 m) (K2485-3)
- Weld Cable - Tweco® Male and Open End (3/0, 600A, 60%) - 10 ft. (3 m) (K2483-3)
- Insulated CT40FS Female Connector (K2487-1)
- Weld Cable - Tweco® Male and 0.53 Lug (3/0, 600A, 60%) - 50 ft. (15.3 m) (K2484-3)
- GC-500 Work Clamp - 500A, 60% Duty Cycle (K910-2)

#### Ready-Pak® 2 (K3534-2-RP2)

- Vantage® 549X (K3534-2)
- Large 2-Wheel Road Trailer & Duo-Hitch® Ball/Lunette Eye Hitch (K2637-2)

#### Ready-Pak® 3 (K3534-2-RP3)

- Vantage® 549X (K3534-2)
- Large 2-Wheel Road Trailer & Duo-Hitch® Ball/Lunette Eye Hitch (K2637-2)
- Fender and Light Kit (K2639-1)
- Cable Rack (K2640-1)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Vantage® 566X

#### Ready-Pak® 1 (K3239-3-RP1)

- Vantage® 566X (Deutz®) (K3239-3)
- Cable Rack for Welder Trailers (K2640-1)
- Weld Cable - Tweco® Male & Open End (3/0, 600A, 60%) - 10 ft. (3 m) (K2483-3)
- Insulated CT40FS Female Connector (K2487-1)
- Weld Cable - Tweco® Male & Female (3/0, 600A, 60%) - 50 ft. (15.3 m) (K2485-3)
- Large Two-Wheel Welder Trailer (K2637-2)
- EH-405HD Electrode Holder - 400A, 60% Duty Cycle (K909-8)
- Weld Cable - Tweco® Male & 0.53 Lug (3/0, 600A, 60%) - 50 ft. (15.3 m) (K2484-3)
- GC-500 Work Clamp - 500A, 60% Duty Cycle (K910-2)
- Fender and Light Kit for Welder Trailers (K2639-1)

#### Ready-Pak® 3 (K3239-3-RP3)

- Vantage® 566X (K3239-3)
- Large 2-Wheel Road Trailer & Duo-Hitch® Ball/Lunette Eye Hitch (K2637-2)
- Fender and Light Kit (K2639-1)
- Cable Rack (K2640-1)

### Air Vantage® 566X

#### Ready-Pak® 1 (K3242-3-RP1)

- Air Vantage® 566X (Deutz®) (K3242-3)
- EH-405HD Electrode Holder - 400A, 60% Duty Cycle (K909-8)
- Cable Rack for Welder Trailers (K2640-1)
- Fender and Light Kit for Welder Trailers (K2639-1)
- Large Two-Wheel Welder Trailer (K2637-2)
- Weld Cable - Tweco® Male and Female (3/0, 600A, 60%) - 50 ft. (15.3 m) (K2485-3)
- Weld Cable - Tweco® Male and Open End (3/0, 600A, 60%) - 10 ft. (3 m) (K2483-3)
- Insulated CT40FS Female Connector (K2487-1)
- Weld Cable - Tweco® Male and 0.53 Lug (3/0, 600A, 60%) - 50 ft. (15.3 m) (K2484-3)
- GC-500 Work Clamp - 500A, 60% Duty Cycle (K910-2)

#### Ready-Pak® 3 (K3242-3-RP3)

- Air Vantage® 566X (K3242-3)
- Large 2-Wheel Road Trailer & Duo-Hitch® Ball/Lunette Eye Hitch (K2637-2)
- Fender and Light Kit (K2639-1)
- Cable Rack (K2640-1)

### Dual Maverick® 200/200X (Kubota®)

#### Ready-Pak® 3 (K4382-2-RP3)

- Dual Maverick® 200/200X (Kubota®) (K4382-2)
- Cable Rack for Welder Trailers (K2640-1)
- Fender and Light Kit for Welder Trailers (K2639-1)
- Medium Two-Wheel Welder Trailer (K2636-1)

### Maverick® 325X

#### Ready-Pak® 1 (K3581-1-RP1)

- Weld Cable - Tweco® Male and Open End (2/0, 350A, 60%) - 10 ft. (3 m) (K2483-2)
- EH-305HD Electrode Holder - 300A, 60% Duty Cycle (K909-7)
- Maverick® 325X (Kubota®) (K3581-1)
- Small Two-Wheel Welder Trailer (K2635-1)
- Cable Rack for Welder Trailers (K2640-1)
- Fender and Light Kit for Welder Trailers (K2639-1)
- Weld Cable - Tweco® Male and Female (2/0, 350A, 60%) - 50 ft. (15.3 m) (K2485-2)
- Insulated CT40FS Female Connector (K2487-1)
- Weld Cable - Tweco® Male and 0.53 Lug (2/0, 350A, 60%) - 50 ft. (15.3 m) (K2484-2)
- GC-300 Work Clamp - 300A, 60% Duty Cycle (K910-1)

#### Ready-Pak® 3 (K3581-1-RP3)

- Maverick® 325X (Kubota®) (K3581-1)
- Small Two-Wheel Welder Trailer (K2635-1)
- Cable Rack for Welder Trailers (K2640-1)
- Fender and Light Kit for Welder Trailers (K2639-1)

# Accessories

Product Name	Product No.										
		Base Model	Base Model	Base Model	Base Model	Base Model (Kubota)	Base Model	Base Model	Base Model	Base Model	Base Model
		Maverick® 260X	Maverick® 325X	Dual Maverick® 200/200X	Cross Country® 300	Vantage® 322	Frontier® 400X	Frontier® 400X Pipe	Vantage® 549X	Vantage® 566X	Air Vantage® 566X
<b>GENERAL</b>											
Power Plug Kit, 20 amp	K802N	•	•		•	•	•	•	•	•	•
Polarity/Multi-Process Switch	K2642-1	•	•	•							
Docking Kit for Polarity/Multi-Process Switch	K2663-1					•					
12-Pin (M) to 6-Pin (F) Adapter	K2909-1						•	•			•
Cold Weather Kit Cross Country® 300 Engine Driven Welder	K4213-1				•						
Cold Weather Kit for Perkins® Engines	K2679-1						•	•			
Ballistic Nylon Storage Cover for Frontier® 400X and Vantage® 322	K5292-1					•	•	•			
User Interface Protective Cover (Frontier®)	K5226-1						•	•			
Spark Arrestor Kit	K903-1	•	•	•							
Spark Arrestor Kit	K1898-1				•	•					
Spark Arrestor Kit	K3985-1								•	•	•
Spark Arrestor Kit	K2624-1				•						
K126® PRO Innershield® 350A FCAW-SS Welding Gun 15 ft (4.6 m) 1/16-5/64 in (1.59 - 2.0 mm)	K126-12	•	•		•	•	•	•			
K126® PRO Innershield® 350A FCAW-SS Welding Gun 15 ft (4.6 m) 0.062-3/32 in (1.58-2.38 mm)	K126-11				•						
Weld Cable Package – Work and Power Lead 2/0 – Tweco® Male and GC500 / Tweco® Male and Lug 10 ft (3.05 m)	K1803-2				•						
Weld Cable – Tweco® Male and Female (3/0, 600A, 60%) 50 ft (15.24 m)	K2485-3				•						
Weld Cable – Tweco® Male and Female (2/0, 250A, 60%) 50 ft (15.24 m)	K2485-2				•						
Medium Two-Wheel Road Trailer & Duo-Hitch® Ball/Eye Hitch	K2636-1			•	•	•	•	•			
Large Two-Wheel Trailer & Duo-Hitch® Ball/Eye Hitch	K2637-2								•	•	•
Four-Wheel Steerable Yard Trailer with Duo-Hitch® Ball/Eye Hitch	K2641-2				•	•	•	•	•	•	•
Fender and Light Kit	K2639-1			•	•	•	•	•	•	•	•
Cable Rack	K2640-1			•	•	•	•	•	•	•	•
Full KVA Power Plug (1-Phase)	T12153-9				•	•	•	•	•	•	•
Full KVA Power Plug (3-Phase)	T12153-10				•	•	•	•	•	•	•
Full-KVA Adapter Kit (1-Phase)	K1816-1	•	•	•	•	•	•	•	•	•	•
VRD (Voltage Reduction Device) Kit	K4212-1				•						
Air Filter Kit for Compressed Air	K3088-1										•
Air Cleaner Guard Kit	K4698-1								•	•	•

• Optional



# Accessories

Product Name	Product No.	Maverick® 260X	Maverick® 325X	Dual Maverick® 200/200X	Cross Country® 300	Vantage® 322	Frontier® 400X	Frontier® 400X Pipe	Vantage® 549X	Vantage® 566X	Air Vantage® 566X
		Base Model	Base Model	Base Model	Base Model	Base Model (Kubota)	Base Model	Base Model	Base Model	Base Model	Base Model
<b>STICK</b>											
Accessory Kit, 400 Amp	K704					•	•	•			
Remote Output Control, 25 ft (7.6 m), 6-pin connector	K857			•	•	•					
Remote Output Control, 100 ft (30 m), 6-pin connector	K857-1	•	•	•	•	•					
Remote Output Control, 25 ft (7.6 m), 12-pin connector	K857-2						•	•	•	•	•
Remote Output Control, 100 ft (30 m), 12-pin connector	K857-3						•	•	•	•	•
Remote Output Control Detachable Box, 125 ft (38.1 m), 6-pin connector	K4330-1				•	•			•	•	•
Remote Output Control with 120VAC Receptacles/Detachable Box, 125 ft (38.1 m), 6-pin connector	K4268-1				•	•			•	•	•
Remote Output Control with 120VAC Receptacles/Detachable Box, 125 ft (38.1 m), 12-pin connector	K5312-1						•	•	•	•	•
CrossLinc® Remote	K4345-1	•	•	•			•	•	•	•	•
Wireless Remote Control (Frontier®)	K5265-1						•	•			
<b>TIG</b>											
Pro-Torch™ TIG Torch PTA-26V, 25 ft (7.6 m), 2 pc	K1783-9	•	•		•	•	•	•	•	•	•
TIG Module	K930-2			•	•	•			•	•	•
Arc Start™ Switch (6-pin connector)	K814			•	•	•					
Arc Start™ Switch (12-pin connector)	K814-2	•	•				•	•	•	•	•
Contactor Kit	K938-1			•	•	•			•	•	•
Foot Amptrol™ (6-pin connector)	K870	•	•	•	•	•					
Foot Amptrol™ (12-pin connector)	K870-2						•	•	•	•	•
Hand Amptrol™ (Rotary Track Style) (6-pin connector)	K963-3	•	•	•	•	•					
Hand Amptrol™ (Rotary Track Style) (12-pin connector)	K963-4						•	•	•	•	•
Square Wave® TIG 200	K5126-1	•	•	•	•	•	•	•	•	•	•
Magnum® Parts Kit for PTA-26V TIG Torch	KP509				•						
<b>WIRE FEEDER</b>											
Gun Receiver Bushing for Lincoln Electric Guns	K1500-1				•						
Gun Receiver Bushing for Tweco® #2-#4 Guns	K1500-2				•						
Tweco® Style Cam-Lock Adapter Plug for Work and Electrode Cable	K29463				•						

○ Included    • Optional

# Accessories

Product Name	Product No.										
		Base Model	Base Model	Base Model	Base Model	Base Model (Kubota)	Base Model	Base Model	Base Model	Base Model	Base Model
		Maverick® 260X	Maverick® 325X	DualMaverick® 200/200X	Cross Country® 300	Vantage® 322	Frontier® 400X	Frontier® 400X Pipe	Vantage® 549X	Vantage® 566X	Air Vantage® 566X
<b>WIRE FEEDER, CON'T</b>											
Heavy Duty ArcLink® Control Cable, 25 ft (7.6 m)	K2683-25								•	•	•
Heavy Duty ArcLink® Control Cable, 50 ft (15.0 m)	K2683-50								•	•	•
Heavy Duty ArcLink® Control Cable, 100 ft (30.5 m)	K2683-100								•	•	•
ArcLink® Connector	K5171-1						•				
LN-25X™ with CrossLinc® Technology	K4267-2	•	•	•	•	•	•	•	•	•	•
Activ8X® with CrossLinc® Technology	K3519-1		•	•	•	•	•	•	•	•	•
Activ8X® Pipe (Tweco®)	K4717-1	•					•	•			
Power Feed® 25M Wire Feeder, Plastic Case	K2536-5								•	•	•
<b>SPOOL GUN</b>											
Magnum® SG Spool Gun, Air-Cooled, w/Remote, 25 ft (7.6 m)	K487-25					•			•	•	•
Magnum® SG Control Module	K488					•			•	•	•
Magnum® PRO 250LX GT Spool Gun	K3569-2	•	•	•	•						
Control Module Input Cable, 14-pin MS-type & Lug	K691-10					•			•	•	•
POWER MIG® 210 MP	K3963-1				•	•	•	•	•	•	•
<b>PLASMA CUTTING</b>											
Tomahawk® 1000	K2808-1	•	•	•	•	•	•	•	•	•	•
<b>POWER SOURCE FOR DUAL OPERATOR</b>											
Invertec® V276	K4868-1	•	•	•	•	•	•	•	•	•	•
Flextec® 350X PowerConnect®	K4273-2					•	•	•	•	•	•
2-YEAR EXTENDED WARRANTY AVAILABLE	—			•	•	•	•	•	•	•	•

**VMAC® Compressor Service Kit**

KP3406-1 6 Month / 500 Hours (Air Vantage® / Hydraulic)  
 KP3408-1 12 Month / 1,000 Hours (Air Vantage® / Hydraulic)

**Perkins® Engine Service Kit**

K3598-1 (SAE-300's, Classic® 300s)  
 K3598-4 Service Kit for Perkins® Engine Model 403F-115T  
 K3598-3 Service Kit for Perkins® Engine Model 404F-E22T  
 K3598-3 (Vantage® 441X)  
 K3598-4 (Frontier® 400X)

**Deutz® Engine Service Kit**

K3558-3 (Vantage® 435X)  
 K3558-4 (SAE 500 Severe Duty)  
 K3558-5 (Vantage® 549X, Vantage® 566X and Air Vantage® 566X models)

**Kubota® Engine Service Kit**

K3599-1 (Cross Country® 300 / Vantage® 322) Service Kit for Kubota® Engine Model V1505  
 K3599-1 Service Kit for Kubota® Engine Model V1505  
 K3599-5 Service Kit for Kubota® Engine Model D1503-M  
 K3599-2 (SAE 300's, Classic® 300s) Service Kit for Kubota® Engine Model D902  
 K3599-4 (Dual Maverick™ 200/200X)  
 K3599-7 (Maverick 260X) Service Kit for Kubota® Engine Model Z602



# WIRE FEEDERS

MODEL	OUTPUT			PROCESS					FEATURES				
	Wire Feed Speed Range ipm (m/min)	Solid Wire Size Range: in (mm)	Cored Wire Size Range: in (mm)	MIG	Pulsed MIG	MIG-STT®	Flux-Cored	Submerged Arc	MAXTRAC® Wire Drive System	Gouging (CCAG)	2-Roll Drive	4-Roll Drive	Digital Display
<b>BENCH AND BOOM MODELS</b>													
<b>ANALOG</b>													
LF-74™	50-800 [2.5-20.3]	0.023-1/16 [0.6-1.6]	0.030-5/64 [0.8-2.0]	●			●		•			•	
Flex Feed® 74 HT	50-700 [1.3-17.8]	0.025-3/32 [0.6-2.4]	0.035-0.120 [0.9-3.0]	●			●	●	•	•		•	•
Flex Feed® 84	35-750 [0.9-19.1]	0.025-3/32 [0.6-2.4]	0.035-0.120 [0.9-3.0]	●			●	●	•	•		•	•
Flex Feed® 84 Dual	35-750 [0.9-19.1]	0.025-3/32 [0.6-2.4]	0.035-0.120 [0.9-3.0]	●			●	●	•	•		•	•
<b>ARCLINK®</b>													
Power Feed® 84	50-1200 [1.3-30.4]	0.025-1/16 [0.6-1.6]	0.035-5/64 [0.9-2.0]	●	●	●	●		•	•		•	•
Power Feed® 84 Dual	50-1200 [1.3-30.4]	0.025-1/16 [0.6-1.6]	0.035-5/64 [0.9-2.0]	●	●	●	●		•	•		•	•
DLF-82	50-800 [1.3-20.3]	0.023-1/16 [0.58-1.6]	0.030 - 5/64 [0.76-2.0]	●	●		●		•			•	
<b>FIELD MODELS</b>													
<b>ANALOG</b>													
Activ8X® w/CrossLinc® Technology and TVT™	50-700 [1.3-17.8]	0.023-0.052 [0.6-1.3]	.035-5/64 [0.9-2.0]	●			●		•			•	•
LN-25° PRO Dual Power	50-700 [1.3-17.8]	0.023-1/16 [0.6-1.6]	0.030-5/64 [0.8-2.0]	●		●	●		•			•	•
LN-25X® w/CrossLinc® Technology and TVT™	50-700 [1.3-17.8]	0.023-1/16 [0.6-1.6]	0.030-5/64 [0.8-2.0]	●			●		•			•	•
Activ8X® Pipe™	50-500 [1.3-12.7]	0.035-0.047 [0.9-1.2]	0.045 [1.1]max	●	●	●	●		•			•	•
<b>Robotic Models</b>													
AutoDrive® S	30-800 [0.8-20.3]	0.047 [1.2]	n/a	●	●	●			•			•	
AutoDrive® SA	30-800 [0.8-20.3]	0.035-1/16 [0.9-1.6]	n/a	●	●	●			•			•	
AutoDrive® 4R100	50-800 [1.3-20.3]	0.023-0.052 [0.58-1.3]	0.035-0.045 [0.9-1.2]	●	●	●	●	●	•			•	
AutoDrive® 4R100	30-1200 [0.8-30.5]	0.023-1/16 [0.6-1.6]	0.035-5/64 [0.9-2.0]	●	●	●	●	●	•			•	
Power Feed® 10R	50-800 [1.3-20.3]	0.035-0.120 [0.9-3.0]	0.035-5/64 [0.9-2.0]	●	●	●	●		•				
<b>ARCLINK®</b>													
Power Feed® 25M	30-800 [0.8-20.3]	0.023-1/16 [0.6-1.6]	0.030-5/64 [0.8-2.0]	●	●	●	●		•			•	•

KEY: ● Excellent ● Good ● Optional

# Activ8X®

**Rugged. Compact. Connected.**

- Portable for shipbuilding, offshore or construction operations; small enough to fit through manways
- Impact resistant, flame retardant case and potted PC Boards for moisture and corrosion protection provide rugged durability
- MAXTRAC® Wire Drive System – Heavy-duty cast aluminum wire drive system provides reliable feeding and durability
- Accepts up to 8 in. (203 mm) diameter wire spools
- CrossLinc® Technology allows for remote output control over the welding leads - no cable needed
- True Voltage Technology™ automatically compensates for voltage drops across long welding cables



**Processes**

- MIG
- Flux-Cored

**Output**



**Input**



**Literature**

E8.62

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
Activ8X® Wire Feeder Base Model (w/Tweco® Style Plug)	K3519-1	15-110V DC	330A/60%	50-700 (1.3-17.8)	GMAW: 0.23-0.52 (0.6-1.3)	11.8 x 7.6 x 19.8 (298 x 193 x 503)	27 (12.2)
w/Magnum® PRO Curve™ 300 One-Pak®	K3564-1				FCAW: 0.035-5/64 (0.9-2.0)		
CE Model (Twist Mate™/ Dinse®)	K3519-2						

## Activ8X® Pipe™

### Perfectly Tuned for Pipe Welding

- Provides industry leading root-to-cap weld processes – including STT® Field and Pulsed MIG
- Features CrossLinc® Technology enabling voltage control at the feeder without the extra cable which promotes improved productivity, safety and quality
- Digital meters and user interface allow for easy changes to wire feed speed, voltage and weld mode right at the feeder
- True Energy® Technology allows for accurate measurement and calculations of total energy throughout the weld



#### Processes

- MIG
- STT-Field®
- Pulsed MIG
- FCAW-G

#### Output



#### Input



#### Literature

E8.63

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Max Spool Capacity	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
Activ8X® Pipe™	K4717-1	60-90V DC	8-in dia (203m) 15-lb (6.8kg)	275A/27V/60% 250A/25V/100%	50-700 (1.27-17.8)	Cored: 0.035-0.047 (0.9-1.2mm)  SOLID : 0.023-0.052 (0.6-1.3mm)	18 x 8 x 19 (457 x 203 x 483)	49 (22.2)
w/ Magnum® PRO Curve™ HDE 250 One-Pak®	K4968-2							
w/ Flextec® 350X PowerConnect® One-Pak®	K4935-2							
CE Model (Twist Mate™/ Dinse®)	K5240-1							

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## LN-25 PRO® Dual Power

### Simplicity and Reliability

- MAXTRAC® Wire Drive System – Heavy-duty cast aluminum wire drive system provides reliable feeding and more durability
- Tachometer feedback allows for accurate wire feed speed
- Dual Range Wire Feed Speed – Delivers greater precision at low end wire feed speeds
- Trigger Interlock Switch – Provides enhanced operator comfort for long welds



#### Processes

- MIG
- Flux-Cored

#### Output



#### Input



#### Literature

E8.102

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
LN-25® PRO® Dual Power	K2614-6	15-110 VDC or 24-42 VAC	450A/60%	50-700 (1.3-17.7)	SOLID: 0.023-1/16 (0.6-1.6)  CORED: 0.030-5/64 (0.8-2.0)	15 x 8.7 x 23.2 (381 x 221 x 589)	40 (18)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## LN-25X<sup>®</sup> with CrossLinc<sup>®</sup> Technology and TVT<sup>™</sup>

Full Control. Fewer Cables.

- The Maxtrac<sup>®</sup> Wire Drive System provides reliable feeding and durability
- Eliminates trips to the power source to make adjustments
- Fully encapsulated and environmentally protected electronics
- CrossLinc<sup>®</sup> Technology allows for faster setup and eliminates True Voltage Technology<sup>™</sup> (TVT<sup>™</sup>) automatically compensates for voltage drops across long welding cables



**Processes**

- MIG
- Flux-Cored

**Output**



**Input**



**Literature**

E8.107

<sup>1)</sup>Across-the-Arc

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
LN-25X <sup>®</sup> w/CrossLinc <sup>®</sup> Technology and TVT <sup>™</sup> w/CrossLinc <sup>®</sup> and TVT <sup>™</sup> (with Flowmeter, Tweco <sup>®</sup> )	K4267-3	15-110V DC	450A/60% 325A/100%	50-700 (1.3-17.7)	SOLID: 0.023-1/16 (0.6-1.6)	14.8 x 8.7 x 23.2 (376 x 221 x 589)	37 (17)
w/CrossLinc <sup>®</sup> and TVT (No Flowmeter, Tweco <sup>®</sup> )	K4267-2				CORED: 0.030-5/64 (0.8-2.0)		
w/TVT Magnum <sup>®</sup> PRO Curve <sup>™</sup> 300A 045C One-Pak <sup>®</sup>	K4266-1				ALUMINUM 0.035-1/16 (0.9-1.6)		
w/TVT K126 <sup>®</sup> Pro 1/16-5/64 One-Pak <sup>®</sup>	K4266-2						
w/CrossLinc <sup>®</sup> and TVT <sup>™</sup> (with Flowmeter, Twist Mate <sup>™</sup> /Dinse <sup>™</sup> )	K4267-4						
w/TVT <sup>™</sup> Magnum <sup>®</sup> 400 (045C) One-Pak <sup>®</sup>	K4266-3						
Extra Torque w/CrossLinc <sup>®</sup> and TVT <sup>™</sup> (Tweco <sup>®</sup> Style Plug)	K4267-5			50-400 (1.3-10.1)	GMAW: .023 – 1/16 (0.6 – 1.6) FCAW: .030 - 3/32 (0.8 – 2.4)		

## Power Feed® 25M

### Advanced Process Control

- Internal lighting illuminates the wire drive to aid operators working in dark environments
- Internal heating maintains control of humidity by keeping consumables warm and protected within the enclosed case
- Advanced process control allows easy access and control over advanced weld process parameters and optimize arc characteristics
- ArLink® Communication provides faster arc start detection time with plug and play simplicity; no external hardware required



#### Processes

- MIG
- Pulsed MIG
- MIG-STT®
- Flux-Cored
- Stick
- TIG
- Gouging

#### Output



#### Input



#### Literature

E8.271

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : imp (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
Power Feed® 25M Aluminum Case	K2536-4	40V DC	500A/60%	GMAW: 50-800 (1.3-20.3) FCAW: 30-400 (0.8-10.2)	SOLID: 0.023-1/16 (0.6-1.6) CORED: 0.030-5/64 (0.8-2.0)	14.5 x 8.5 x 23.5 (368 x 216 x 597)	35 (15.9)
Plastic Case	K2536-5			GMAW: 30-400 (0.8-10.2)* FCAW: 30-400 (0.8-10.2)*	SOLID: 0.023-1/16 (0.6-1.6)* CORED: 0.30-3/32 (0.8-2.4)*		

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

\*NOTE: When used in Extra Torque configuration.

## LF-74™

### Four Roll Feeding for Longer Runs

- Brass-to-brass gun connections for better electrical conductivity that results in better arc performance
- Calibrated wire feed speed dial ensures precise and accurate settings
- Cast aluminum MAXTRAC® Wire Drive enables quick tool-less drive roll changes and smooth, steady wire feeding



#### Processes

- MIG
- Flux-Cored

#### Output



#### Input



#### Literature

E8.11 and E8.205

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
LF-74™ Base Model	K2426-4	24-42V AC 50/60 Hz 9 Amps	600A/60%	50-800 (1.3-20.3)	SOLID: 0.023-1/16 (0.6-1.6)	11.1 x 10.2 x 12.9 (282 x 259 x 328)	27 (12)
Bench Model Heavy Duty	K2426-5				CORED: 0.030-5/64 (0.8-2.0)		

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

# Flex Feed® 74 HT Heavy-Duty

## High-Torque, High Performance

- High torque bench feeder for industrial applications
- Optional gouging stud with contactor control when not in use.
- 2-step/4-step trigger interlock enhances operator comfort for longer welds
- Feed plate can be located on either right or left side of the weld drive housing for easy integration into any work center



**Processes**

- MIG
- Flux-Cored
- Hand-Held SAW
- Gouging (CAG) - with gouging option installed

**Output**



**Input**



**Literature**

E8.203

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Flex Feed™ 74 HT Simple U/I, Heavy Duty Reel</b>	K3883-11 <sup>(2)</sup>	24-42V AC 50/60 Hz	600A/60% (wire drive only)	Standard Speed/ Installed 20 Pinion Gear <sup>(3)</sup> : 50-500 (1.3 - 12.7)	20 Pinion Gear GMAW: 0.025 - 3/32 (0.6 - 2.4) FCAW: 0.035 - 0.12 (0.9 - 3.0)	13.3 x 15.5 x 23.6 (338 x 394 x 599) wire drive only	55 (24.9)
<b>Simple U/I, No Reel</b>	K3883-1						36 (16.33)
<b>Digital U/I, No Reel</b>	K3883-2						
<b>Digital U/I, Gouge Kit</b>	K3883-4						44 (20)
<b>Simple U/I, Standard Duty Reel</b>	K3883-5						47 (21.3)
<b>Digital U/I Standard Duty Reel</b>	K3883-6						
<b>Digital U/I, Heavy Duty Reel</b>	K3883-12 <sup>(2)</sup>						55 (24.9)
<b>Simple U/I, Heavy Duty Reel, Gouge Kit</b>	K3883-13 <sup>(2)</sup>						63 (28.5)
<b>Digital U/I, Heavy Duty Reel, Gouge Kit</b>	K3883-14 <sup>(2)</sup>						
			500A/60% (wire drive w/gouging kit)				
			600A/30% (gouging stud)				

<sup>(1)</sup>Other Bench Configurations available. See E8.203

<sup>(2)</sup>20 tooth pinion gear installed in the wire drive as equipped from the factory

<sup>(3)</sup>To achieve wire feed speed of 700, the feeder is configured with a 30 pinion gear

## Flex Feed® 84 Single

High Productivity, Heavy-Fab Applications

- 4 memories with limits and lockouts for process control
- Designed especially for consistent feeding over long conduit runs and large diameters wires
- Optional gouging stud with contactor control when not in use
- Advanced MAXTRAC® cast aluminum wire drive system features patented tool-less drive roll and split wire guide design
- Configure for single, dual, bench or boom setups as your workspace changes



**Processes**

- MIG
- Flux-Cored
- Hand-Held SAW
- Gouging (CAG) - with gouging option installed

**Output**



**Input**



**Literature**

E8.204 and E8.205

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : ipm (m/min)	Wire Size Range: in (mm)		H x W x D in (mm)	Net Wt. lb (kg)
					Solid	Cored		
FlexFeed® 84 Single Bench w/ Heavy Duty Wire Reel Stand	K5000-2	24-42V AC 50/60 Hz 10 amps	Wire Drive: 600A/60% w/o contactor	Standard Speed / Installed 20 Pinion Gear <sup>(1)</sup> : 35-500 (0.9-12.7)	20 Pinion Gear <sup>(1)</sup> : 0.025-3/32 (0.6-2.4)	20 Pinion Gear <sup>(1)</sup> : 0.035-0.120 (0.9-3.0)	16.5 x 15.5 x 28 (419 x 394 x 711)	56 (25.4)
w/Contactor and Gouge Stud (no wire reel stand)	K5000-3		Wire Drive with Contactors or Gouging: 500A/60%	Standard Speed/ 30 Pinion Gear: 50-750 (1.3-19.0)	30 Pinion Gear: 0.025 - 1/16 (0.6 - 1.6)	30 Pinion Gear: 0.035 - 5/64 (0.9 - 2.0)		44 (20)
Flex Feed® 84 Single Wire Drive Boom Mount Feeder (No U/I)	K5000-1		Gouging Stud: 600A/30%					36 (16.3)
Flex Feed® 84 Single Drive Boom One-Pak®	K5000-11							62 (28.1)

<sup>(1)</sup>Installed from Factory

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Flex Feed® 84 Dual

Rugged, Reliable and Ready

- 4 memories with limits and lockouts for process control
- Designed especially for consistent feeding over long conduit runs and large diameters wires
- Advanced MAXTRAC® cast aluminum wire drive system features patented tool-less drive roll and split wire guide design
- Dual model can be ordered with a Power Path™ contactor that electrically isolates the non-active wire drive and gun



**Processes**

- GMAW
- FCAW
- SAW

**Output**



**Input**



**Literature**

E8.204 and E8.205

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)		H x W x D in (mm)	Net Wt. lb (kg)
					Solid	Cored		
Flex Feed® 84 Dual Bench w/Contractor, Heavy-Duty Wire Reel Stand	K5002-2	24-42V AC 50/60 Hz 10 amps	Wire Drive: 600A/60% w/o contactors	Standard Speed / Installed 20 Pinion Gear <sup>(1)</sup> : 35-500 (0.9-12.7)	20 Pinion Gear: 0.025-3/32 (0.6-2.4)	20 Pinion Gear: 0.035-0.120 (0.9-3.0)	16.5 x 22.5 x 30.6 (419 x 572 x 777)	101 (45.8)
w/Heavy Duty Wire Reel Stand	K5002-5		Wire Drive w/Contactors: 500A/60%	Standard Speed / 30 Pinion Gear: 50-750 (1.3-19.0)	30 Pinion Gear: 0.025 - 1/16 (0.9 - 1.6)	30 Pinion Gear: 0.035 - 5/64 (0.9 - 2.0)		97 (43.9)
Drive Boom Mount Feeder (No U/I)	K5002-1							64 (29.0)
Boom Feeder One-Pak®	K5002-11							

<sup>(1)</sup>Installed from factory.

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## DLF-82 Bench Model Wire Feeder w/Gun

### Digital Semiautomatic Wire Feeder

- Designed to combine the latest welding innovation with easy, operator-focused control features
- Synergic weld modes for one knob control make it simple to use
- Includes integrated 5-pin ArcLink® control cable, 0.035/0.045 drive rolls, wire reel stand for up to 60-lb. spools, and Magnum® PRO Curve™ HDE 350
- Up to four stored weld schedules for easy changes between different welds



**Processes**

- CV-MIG
- CV-FCAW
- Pulsed MIG

**Output**



**Input**



**Literature**

E8.12

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
DLF-82 Bench Model	K5282-3	40V DC	500A/100% 600A/60%	50-800 (1.3 - 20.3)	Solid: 0.023 - 1/16 (0.58 - 1.6)  Cored: 0.030 - 5/64 (0.76 - 1.98)	15.9 x 12.0 x 25.6 (403 x 305 x 320)	43 (19.5)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Power Feed® 84 Single Wire Drive

### Advanced Multi-Process Digital Control

- Includes eight user memories for complete WPS recall and a USB port to transfer memory data
- Feed plate (Power Feed® 84) can be located on either right or left side of the wire drive housing for easy integration into any work environment
- Auto-settings simplify process set up



**Processes**

- MIG
- Pulsed MIG
- MIG-STT\*
- Flux-Cored
- Stick
- TIG
- Gouging (CCAG)

**Output**



**Input**



**Literature**

E8.268

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
Power Feed® 84 Single Boom Feeder [no U/I]	K3328-1	40V DC	600A/60% (wire drive only)	Standard Speed / Installed 20 Pinion Gear: 50-700 (1.3-19.0)	20 Pinion Gear: SOLID: 0.025-1/16 (0.6-1.6) CORED: 0.035-5/64 (0.9-2.0)	25.2 x 15.5 x 27.9 (640 x 394 x 709) single wire drive only	36 (16.3)
w/User Interface No Reel Stand	K3328-3		500A/60% (wire drive w/gouging kit)	Standard Speed / 30 Pinion Gear: 50-1200 (1.3-30.4) <sup>(1)</sup>	30 Pinion Gear: SOLID: 0.025-0.045 (0.6-1.2) <sup>(1)</sup> CORED: 0.035-1/16 (0.9-1.6) <sup>(1)</sup>		38 (17.2)
Standard Duty Reel One-Pak®	K3328-7		600A/30% (gouging stud)				54 (24.4)
w/User Interface, Heavy-Duty Reel, USB	K3328-13						62 (28.1)
w/User Interface, No Reel, Gouge Kit, USB	K3328-12						38 (17.2)

<sup>(1)</sup>When used with optional 30 tooth pinion gear. 20 tooth pinion gear installed from factory.

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## Power Feed® 84 Dual Wire Drive

### Advanced Multi-Process Digital Control

- Includes 16 user memories for complete WPS recall and a USB port to transfer memory data
- Dual feed head configuration provides convenient switching between wire types & sizes
- Advanced interface includes Auto-Settings to simplify process set up
- ArcLink® digital communications protocol enables fast, advanced communication with any ArcLink®-enabled welding power source



#### Processes

- MIG
- Pulsed MIG
- MIG-STT®
- Flux-Cored
- Stick
- TIG
- Gouging (CCAG)
- Hyperfill™

#### Output



#### Input



#### Literature

E8.268

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Power Feed® 84 Dual Boom Feeder (no U/I)</b>	K3330-1	40V DC	600A/60% (w/o PowerPath™ contactors)	Standard Speed / Installed 20 Pinion Gear: 50-700 (1.3-19.0)	20 Pinion Gear: SOLID: 0.025-1/16 (0.6-1.6) CORED: 0.035-5/64 (0.9-2.0)	25.2 x 22.5 x 30.6 (640 x 572 x 777) <i>dual wire drive only</i>	64 (29.0)
w/User Interface No Reel Stand	K3330-3		500A/60% (wire drive w/gouging kit)	Standard Speed / 30 Pinion Gear: 50-1200 (1.3-30.4) <sup>(1)</sup>	30 Pinion Gear: SOLID: 0.025-0.045 (0.6-1.2) <sup>(1)</sup> CORED: 0.035-1/16 (0.9-1.6) <sup>(1)</sup>		66 (29.9)
w/User Interface, Standard Duty Reel One-Pak®	K3330-7		600A/30% (gouging stud)				93 (42.1)
Heavy Duty Reel One-Pak®	K3330-10						109 (49.4)
w/Heavy Duty Reel Stand & Contactor	K3330-5						119 (53.9)

<sup>(1)</sup>When used with optional 30 tooth pinion gear. 20 tooth pinion gear installed from factory.

## Robotic Welding Wire Feeders

### The Evolution of Speed and Precision

- AutoDrive® S, steel servo torch solution with touch-retract starting technology, provides precise arc starts for a consistent bead profile and minimal post-weld clean-up
- AutoDrive® SA, push-pull servo torch solution with touch-retract start technology, initiates each robotic aluminum weld with no spatter or burnback
- Select the 4R220 for feeding larger diameter wires, or pulling through long conduits
- MAXTRAC® wire drives feature precision cast components, tool-less drive roll changes, and brass-to-brass gun connections
- Available modules relay wire feed commands from an appropriate, non-robotic Power Wave® power source to any AutoDrive® robotic wire feeder



#### Processes

- MIG
- Pulsed MIG
- MIG-STT®
- Flux-Cored
- Metal-Cored

#### Output



#### Input



#### Literature

- E10.17 (AutoDrive® S)<sup>(1)</sup>
- E10.16 (AutoDrive® SA)<sup>(1)</sup>
- E10.12 (AutoDrive® 4R100 and 4R220)
- E10.15 (Power Feed® 10R)

<sup>(1)</sup>The AutoDrive® S and SA is compatible only with Magnum® PRO products.

Product Name	Product Number	Wire Feed Speed Range: ipm (m/min)	Wire Size Range – Solid in (mm)	Wire Size Range – Cored in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>AutoDrive® S</b>	K4303-2	30-800 (0.8-20.3)	0.047 (1.2)	NA	7.0 x 7.5 x 10.8 (177.8 x 190.5 x 274.3)	14.5 (6.58)
<b>AutoDrive® SA</b>	K4444-1 (push feeder)	30-800 (0.8-20.3)	0.035-1/16 (0.9-1.6) (aluminum only)	NA	10.8 x 7.5 x 7.0 (274.3 x 190.5 x 177.8)	14.5 (6.58)
	K4445-1 (pull feeder)					—
<b>AutoDrive® 4R100</b>	K3560- <sup>(1)</sup>	50-800 (1.3-20.3)	0.023-0.052 (0.58-1.3)	0.035-0.045 (0.9-1.2)	8.4 x 7.5 x 9.1 (213 x 191 x 231)	13.2 (6.0)
<b>AutoDrive® 4R220</b>	K3561- <sup>(1)</sup>	30-1200 (0.8-30.5)	0.023-1/16 (0.6-1.6)	0.035-5/64 (0.9-2.0)	10.43 x 10.07 x 9.92 (265 x 256 x 252)	20.9 (9.5)
<b>Power Feed® 10R</b>	K1780-3	50-800 (1.3-20.3)	Solid: 0.023-0.045 (0.6-1.2) Cored: 0.035-0.045 (0.9-1.2)	Solid: 0.035-0.120 (0.9-3.0) Cored: 0.035-5/64 (0.9-2.0)	8.4 x 7.5 x 9.1 (213 x 191 x 231)	13.2 (6.0)

<sup>(1)</sup>Robot specific mounting brackets are available.

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Activ8X® with CrossLinc® Technology

*Required Accessories for all models*

- Weld Power Cable
- Drive Roll and Wire Guide Kit

#### Base Model (K3519-1)

- Power Connector
- Internal Contactor
- Gas Solenoid
- Arc Sensing Lead & Clip, 15 ft. (4.5 m)

#### Magnum® PRO Curve™ 300 Wire Feeder One-Pak® (K3564-1)

- Drive Roll Kit 0.052 in. (1.3 mm) Cored Wire (KP1697-052C)
- Activ8X® Wire Feeder (Tweco®) (K3519-1)
- Magnum® PRO Curve™ 300 Welding Guns (K2951-2-10-116)

### Activ8X® Pipe™

#### Base Model (K4717-1)

- Tweco® style input connection
- Standard #2-#4 gun connection
- Drive Roll Kit Combination 0.035 in. / 0.045 in. (0.89 mm / 1.14 mm) Solid Wire (KP1696-1)

#### Magnum® PRO Curve™ HDE 250 One-Pak® (K4968-2)

- Activ8X® Pipe One-Pak®
- Activ8X® Pipe (Tweco®) (K4717-1)
- Work Lead 2/0, Tweco® to GC500, 15 ft. (4.6 m) (K4835-2/0-15)
- Drive Roll Kit Combination 0.035 in. / 0.045 in. (0.89 mm / 1.14 mm) Solid Wire (KP1696-1)
- Magnum® PRO Curve™ HDE™ 250 Welding Guns (K4531-2-10-45)
- Copper Plus® Tapered Contact Tip - 350A, Standard, 0.035 in. (0.9 mm) - 10/pack (KP2744-035T)
- Magnum® PRO Nozzle - 350A, Thread-on, Flush, 3/8 in. (9.5 mm) ID (KP2742-1-38F)

#### Flextec® 350X PowerConnect® One-Pak® (K5802-1)

- Flextec® 350X PowerConnect® / Activ8X® Pipe One-Pak®
- Activ8X® Pipe (Tweco®) (K4717-1)
- Work Lead 2/0, Tweco® to GC500, 15 ft. (4.6 m) (K4835-2/0-15)
- Drive Roll Kit Combination 0.035 in. / 0.045 in. (0.89 mm / 1.14 mm) Solid Wire (KP1696-1)
- Magnum® PRO Curve™ HDE™ 250 Welding Guns (K4531-2-10-45)
- Magnum® PRO Nozzle - 350A, Thread-on, Flush, 3/8 in. (9.5 mm) ID (KP2742-1-38F)
- Flextec® 350X PowerConnect® (Tweco®) (K4273-2)
- Copper Plus® Contact Tip - 350A, Tapered, 0.035 in. (0.9 mm) - 10/pack (KP2744-035T)

### LN-25° PRO

#### Dual Power (K2614-6)

- LN-25° PRO Wire Feeder
- Internal Contactor
- Gas Solenoid
- Flow Meter
- Arc Sensing Lead & Clip, 15 ft. (4.5 m)
- 2 Gun Bushings (K1500-2 standard #2-#4 installed; K1500-1 Lincoln Electric style loose)

### LN-25X® with CrossLinc® Technology

#### TVT™ (with Flowmeter, Tweco®) (K4267-3)

- LN-25X® wire feeder w/TVT™
- Tweco® style plug on electrode cable
- Flowmeter integrated into the machine

#### w/CrossLinc® and TVT (No Flowmeter, Tweco®) (K4267-2)

- Internal Contactor
- Gas Solenoid
- Arc Sensing Lead Clip
- 2 Gun Bushings (K1500-2 installed; K1500-1 loose)

#### Extra Torque w/CrossLinc® and TVT (No Flowmeter, Tweco®) (K4267-5)

- LN-25X0174 wire feeder w/TVT
- Tweco® style plug on electrode cable

#### w/TVT Magnum® PRO Curve™ 300A 045C One-Pak® (K4266-1)

- LN-25X® w/CrossLinc® and TVT (No Flowmeter, Tweco®) (K4267-2)
- Magnum® PRO Curve™ 300 Welding Guns (K2951-2-10-45)
- Drive Roll Kit 0.040 - 0.045 in. (1.0 - 1.2 mm) Cored Wire (KP1697-045C)

#### w/TVT K126° Pro 1/16-5/64 One-Pak® (K4266-2)

- LN-25X® w/CrossLinc® and TVT (No Flowmeter, Tweco®) (K4267-2)
- K126° PRO Innershield® 350A FCAW-SS Welding Gun 15 ft. 1/16-5/64 (K126-12)
- Drive Roll Kit 5/64 in. (2.0 mm) Solid/Cored Wire (KP1697-5/64)
- Drive Roll Kit 1/16 in. (1.6 mm) Cored Wire (KP1697-1/16C)

#### TVT™ with Flowmeter, Twist Mate™ / Dinse® (K4267-4)

- LN-25X™ Wire Feeder w/TVT™
- Twist Mate™ (Dinse®) plug on electrode cable
- Flow meter integrated into feeder

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### w/TVT™ Magnum® 400 045C One-Pak® (K4266-3)

- Drive Roll Kit 0.040 - 0.045 in. (1.0 - 1.2 mm) Cored Wire (KP1697-045C)
- Magnum® 400 Welding Guns (K471-21)
- LN-25X® w/CrossLinc® and TVT™ (No Flowmeter, Tweco®) (K4267-2)

### DLF-82 Bench Model Wire Feeder w/Gun

#### Base Model (K5282-3)

- Integrated 8-ft. (2.4 m) ArcLink® control cable
- DLF-Feeder Wire Reel Stand (K5284-1)
- Drive Roll Kit Combination 0.035 in. (0.9 mm) or 0.045 in. (1.1 mm) in Solid Wire (KP1696-1)
- DLF-82 Base Model (K5282-1)
- Magnum® PRO Curve™ HDE™ 350 Welding Guns (K4532-2-10-45)

### Power Feed® 25M

#### Base Model, Aluminum Case (K2536-4)

- Electrode Pigtail
- Mode Select Panel
- Push-Pull Gun Connector
- Remote Control Connector
- Gun Receiver Bushing
- Standard & Extra Torque Gearing

#### Base Model, Plastic Case (K2536-5)

- Electrode Pigtail
- Mode Select Panel
- Push-Pull Gun Connector
- Remote Control Connector
- Gun Receiver Bushing
- Standard & Extra Torque Gearing

### LF-74™

#### Required Accessories for all models

- Weld Power Cable

#### Base Model (K2426-4)

- LF-74™ Wire Feeder
- Drive Roll Kit 0.035, 0.045 in. (0.9, 1.2 mm) Solid Wire (KP1505-1)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)

#### Bench Model, Heavy Duty (K2426-5)

- LF-74™ Wire Feeder
- Drive Roll Kit 0.035, 0.045 in. (0.9, 1.2 mm) Solid Wire (KP1505-1)
- Universal Wire Reel Stand (K1524-3)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- LF-74™ Wire Feeder, Base Model (K2426-4)

### Flex Feed® 74 HT

#### Required Accessories for all models

- Drive Roll Kits
- Control Cable
- Weld Power Cable

#### Simple U/I, No Reel (K3883-1)

- Flex Feed® 74 HT
- Inlet Bushing, Quick Connect Style (K3929-1)

#### Digital U/I, No Reel (K3883-2)

- Digital user interface
- Inlet Bushing, Quick Connect Style (K3929-1)

#### Digital U/I, Gouge Kit (K3883-4)

- Gouge Kit
- Inlet Bushing, Quick Connect Style (K3929-1)
- Flex Feed® 74 HT - Digital U/I, No Reel (K3883-2)

#### Simple U/I, Standard Duty Reel (K3883-5)

- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Inlet Bushing, Quick Connect Style (K3929-1)
- Flex Feed® 74 HT - Digital U/I, No Reel (K3883-2)
- Wire Reel Stand - Standard Duty (K3342-1)

#### Digital U/I Standard Duty Reel (K3883-6)

- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Inlet Bushing, Quick Connect Style (K3929-1)
- Flex Feed® 74 HT - Digital U/I, No Reel (K3883-2)
- Wire Reel Stand - Standard Duty (K3342-1)

#### Simple U/I, Heavy Duty Reel (K3883-11)

- Wire Reel Stand - Heavy Duty (K3343-1)
- Inlet Bushing, Quick Connect Style (K3929-1)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Flex Feed® 74 HT - Simple U/I, No Reel (K3883-1)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Digital U/I, Heavy Duty Reel (K3883-12)

- Wire Reel Stand - Heavy Duty (K3343-1)
- Inlet Bushing, Quick Connect Style (K3929-1)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Flex Feed® 74 HT - Digital U/I, No Reel (K3883-2)

### Simple U/I, Heavy Duty Reel, Gouge Kit (K3883-13)

- Gouge Kit
- Wire Reel Stand - Heavy Duty (K3343-1)
- Inlet Bushing, Quick Connect Style (K3929-1)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Flex Feed® 74 HT - Simple U/I, No Reel (K3883-1)

### Digital U/I, Heavy Duty Reel, Gouge Kit (K3883-14)

- Gouge Kit
- Wire Reel Stand - Heavy Duty (K3343-1)
- Inlet Bushing, Quick Connect Style (K3929-1)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Flex Feed® 74 HT - Digital U/I (K3883-4)

### Single Wire Drive Boom Mount Feeder - No U/I (K5000-1)

- Single Wire Drive (Control Box and UI not included)
- Gun Adapter Standard #2-#4
- Inlet Bushing (K3929-1)

### Flex Feed® 84

*Required Accessories for all models*

- Drive Roll Kits
- Control Cable
- Weld Power Cable

### Single Wire Drive Boom Mount Feeder - No U/I (K5000-1)

- Single Wire Drive (Control Box and UI not included)
- Gun Adapter Standard #2-#4
- Inlet Bushing (K3929-1)

### Single Bench Model w/Heavy Duty Wire Reel Stand (K5000-2)

- Single Wire Drive
- Heavy Duty Wire Reel Stand
- #2-#4 Gun Adapter (K3345-1)
- Inlet Bushing (K1551-2)
- Control Cable, 10 ft. (3.0 m) (K1797-10)

### w/Contractor and Gouge Stud (no wire reel stand) (K5000-3)

- Flex Feed® 84 wire feeder
- Gun Adapter Standard #2 - #4
- Inlet Bushing (K3929-1)
- Gouge Stud
- Contactor

### Single Drive Boom One-Pak® (K5000-11)

- Flex Feed® 84 Single Boom (K5000-1)
- User Interface (K5004-1)
- Control Cable (K1797-25)

### Flex Feed® 84 Dual

*Required Accessories for all models*

- Drive Roll Kits
- Control Cable
- Weld Power Cable

### w/Contractor, Heavy-Duty Wire Reel Stand (K5002-2)

- Flex Feed® 84 Dual Boom (K5002-1)
- User Interface (K5004-1)
- Heavy Duty Wire Reel Stand
- Gun Adapter Standard #2 - #4
- Control Cable (K1797-10)
- Inlet Bushing (K1551-2)
- Contactor

### Bench w/Heavy Duty Wire Reel Stand (K5002-5)

- Flex Feed® 84 Dual Boom (K5002-1)
- User Interface (K5004-1)
- Heavy Duty Wire Reel Stand
- Gun Adapter Standard #2 - #4
- Control Cable (K1797-10)
- Inlet Bushing (K1551-2)

### Drive Boom Mount Feeder (no U/I) (K5002-1)

- Flex Feed® 84 Dual Boom (K5002-1)
- Gun Adapter Standard #2 - #4

### Boom Feeder One-Pak® (K5002-11)

- Flex Feed® 84 Dual Boom (K5002-1)
- User Interface (K5004-1)
- Control Cable (K1797-25)
- Inlet Bushing (K3929-1)



## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Power Feed® 84 Single Wire Drive

*Required Accessories for all models*

- Drive Roll Kits

#### Single Boom Feeder (no U/I) (K3328-1)

- Standard #2 - #4 Gun Adapter
- Conduit Inlet Bushing (K3929-1)

#### User Interface No Reel, USB (K3328-3)

- User Interface
- Standard #2 - #4 Gun Adapter
- Conduit Inlet Bushing (K3929-1)
- USB

#### Standard Duty Reel One-Pak® (K3328-7)

- User Interface
- Standard #2 - #4 Gun Adapter
- Standard Duty Reel Stand 8 ft. (2.4 m)
- Control Cable (K1543-8)
- USB

#### User Interface Heavy Duty Reel, USB (K3328-13)

- User Interface
- Standard #2 - #4 Gun Adapter
- 8 ft. (2.4 m) Control Cable (K1543-8)
- USB
- Heavy Duty Reel Stand

#### User Interface, No Reel, Gouge Kit, USB (K3328-12)

- User Interface
- Standard #2 - #4 Gun Adapter
- Conduit Inlet Bushing (K3929-1)
- Heavy Duty Wire Reel Stand
- USB
- Gouge Kit

### Power Feed® 84 Dual

*Required Accessories for all models*

- Drive Roll Kits

#### Boom Feeder (no U/I) (K3330-1)

- Standard #2 - #4 Gun Adapter
- Conduit Inlet Bushing (K3929-1)

#### Bench Wire Feeder, User Interface, No Reel, USB (K3330-3)

- User Interface
- Standard #2 - #4 Gun Adapter
- Conduit Inlet Bushing (K3929-1)
- USB

#### Bench Wire Feeder, User Interface, Standard Duty Reel One-Pak® (K3330-7)

- User Interface
- Standard #2 - #4 Gun Adapter
- Standard Duty Reel Stand
- 8 ft. (2.4 m) Control Cable (K1543-8)
- USB

#### Bench Wire Feeder Heavy Duty Reel One-Pak® (K3330-10)

- User Interface
- Standard #2 - #4 Gun Adapter
- Heavy Duty Wire Reel Stand
- 8 ft. (2.4 m) Control Cable (K1543-8)
- USB

#### Bench Wire Feeder, User Interface, Heavy Duty Reel, Contactor, USB (K3330-5)

- User Interface
- Standard #2 - #4 Gun Adapter
- Heavy Duty Wire Reel Stand
- 8 ft. (2.4 m) Control Cable (K1543-8)
- USB

# Accessories

Product Name	Product No.	Activ8X®	Activ8X® Pipe™	LN-25® PRO Dual Power	LN-25X® w/CrossLinc® Technology and TVT™	Power Feed® 25M
		Base Model	Base Model	Base Model	Base Model	Base Model Alum. Case
<b>REQUIRED [see charts in Drive and Cable Accessories Section]</b>						
Weld Power Cables	—	•	•	•	•	•
Drive Roll and Wire Guide Kits	—	•	•	•	•	•
Control Cables and Adapters	—			•		
Push-Pull Guns	—					•
ArcLink®/Linc-Net™ Control Cables	—					•
350A FCAW-SS Gun, 10 ft (3.0 m), 0.068-5/64 in (1.7-2.0 mm)	K345-10					
<b>GENERAL</b>						
Magnum® PRO Curve™ 300 Welding Gun Ready-Pak® Pkg., 0.045C, 15 ft (4.6 m)	K2951-2-10-45	•		•	•	•
Magnum® PRO Curve™ 200 Welding Gun Ready-Pak® Pkg. 15 ft (4.6 m)	K2950-2-10-45		•			
K126® PRO Innershield® 350A FCAW-SS Welding Gun, 1/16-5/64C, 15 ft (4.6 m)	K126-12	•		•	•	•
Gun Receiver Bushings (see Drive and Cable Accessories Section)	—	•	•	•	•	•
Receiver Bushing (standard #2-#4 Style) (see Drive and Cable Accessories Section)	—	•	•	•	•	•
Receiver Bushing (see Drive and Cable Accessories Section)	—	•		•	•	•
Dual Schedule Fast-Mate Adapter™ 10 Series	K489-7	•	•	•	•	•
LC-40 Tweco-Style Receptacle (1/0-2/0)	K3417-70	•	•	•	•	•
LC-40 Tweco-Style Plug (1/0-2/0)	K3416-70	•	•	•	•	•
Tweco® Style Plug, Male 3/0-4/0	K3416-90	•	•	•	•	•
Tweco® Style Receptacle, Female 3/0-4/0	K3417-90	•	•	•	•	•
Twist Mate™ Plug, Male 1/0-2/0	K852-70	•	•	•	•	•
twist Mate™ Receptacle, Female 1/0-2/0	K1759-70	•	•	•	•	•
Twist Mate™ receptacle, Female 3/0	K1759-95	•	•	•	•	•
Insulated CT40FS Female Connector	K2487-1	•	•	•	•	•
Plastic Case for Activ8X® Feeder	K3061-1	•				
Jumper Plug Kit	K484	•		•	•	
Deluxe Adjustable Gas Regulator & Hose Kit, 4.3 ft (1.3 m)	K586-1	•	•			•
Portable Digital Wire Feed Speed Meter	K283	•				
Flow Meter Kit	K3156-1	•				
Preflow, Postflow and Burnback Timer Kit	K2330-2			•	•	
14 lb (6.4 kg) Innershield® Coil Adapter	K435			•	•	•
8 in (203.2 mm) O.D. Spool Adapter	K468			•	•	•

• Required    • Optional

# Accessories

Product Name	Product No.	Activ8X™	Activ8X™ Pipe™	LN-25° PRO Dual Power	LN-25X™ w/CrossLinc™ Technology and TVT™	Power Feed™ 25M	
		Base Model	Base Model	Base Model	Base Model	Base Model Alum. Case	Base Model Plastic case
		K3519-1	K4217-1	K2614-6	K4267-2	K2536-4	K2536-5
<b>GENERAL, CON'T.</b>							
Replacement Case Kit - Polycarbonate	K2596-2			•	•	•	•
Micro Wire Straightener	K1733-4			•	•	•	•
12-Pin to 6-Pin Adapter Cable	K2909-1					•	•
12-Pin to 7-Pin Adapter Cable	K2910-1					•	•
Remote Output Control (12-Pin), 25 ft (7.6 m)	K857-2					•	•
Water Connection Kit	K590-6					•	•
Shielding Gas Filter	KP3103-1	•	•	•	•	•	•
Push-Pull Gun Adapter Kit	K2339-1		•			•	•
Drive Roll Kits (see Drive and Cable Accessories Section)	—	•		•	•	•	•
<b>TIG</b>							
PTA-17 Pro-Torch™ TIG Torch, 12.5 ft (3.8 m), 2 pc	K1782-2					•	•
PTA-17 Pro-Torch™ TIG Torch, 25 ft (7.6 m), 2pc	K1782-4					•	•
PTA-26 Pro-Torch™ TIG Torch, 12.5 ft (3.8 m), 2pc	K1783-2					•	•
PTA-26 Pro-Torch™ TIG Torch, 25 ft (7.6 m), 2pc	K1783-4					•	•
Foot Amptrol™, 12-Pin	K870-2					•	•
Hand Amptrol™, 12-Pin	K963-4					•	•
<b>POWER SOURCES</b>							
MIG Welders (CV), Multi-Process Welders (CC/CV), Engine Driven Welders	—	•		•	•		
<b>CrossLinc® Equipped Power Sources</b>							
Flextec® 350X, Flextec® 500X, Flextec® 650X	—	•			•		
Flextec® 350X PowerConnect®		•	•		•	•	•
<b>ArcLink® Equipped Power Sources</b>							
Power Wave® and Flextec®	—					•	•
<b>2-YEAR EXTENDED WARRANTY AVAILABLE</b>	—	•		•	•	•	•

• Optional

# Accessories

Product Name	Product No.	DLF-82 Wire Feeder w/Gun		LF-74™ Wire Feeder		Flex Feed™ 74 HT			Flex Feed™ 84 Single		Flex Feed™ 84 Dual		Power Feed™ 84 Single		Power Feed™ 84 Dual		
		Bench Model	Base Model	Base Model	Bench Model (Heavy Duty)	Bench Model (Heavy Duty)	Digital Model (Heavy Duty)	Digital Model (HD Gouge Kit)	Digital Model (HD Gouge Kit w/Gun)	Bench Model (Heavy Duty)	Bench Model (Heavy Duty)	Base Model	Base Model	Base Model	Base Model		
		K5282-3	K2426-4	K2426-5	K3883-11	K3883-12	K3883-13	K3883-15	K5000-2	K5002-2	K3328-13	K3330-5					
<b>REQUIRED (see charts in Drive and Cable Accessories Section)</b>																	
Weld Power Cables	—	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Drive Roll and Wire Guide Kits	—	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Control Cables and Adapters	—	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>GENERAL</b>																	
Gun Receiver Bushing (see Drive and Cable Accessories Section)	—	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Deluxe Adjustable Gas Regulator & Hose Kit, 4.3 ft (1.3 m)	K586-1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Portable Digital Wire Feed Speed Meter	K283-1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Incoming Bushing for Conduit, 0.025-1/16 in (0.6-1.6 mm) wire	K1546-1	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Incoming Bushing for Conduit, 1/16-1/8 in (1.6-3.2 mm) wire	K1546-2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Inlet Bushing, Quick Connect Style	K3929-1	•			•	•	•	•	•	•	•	•	•	•	•	•	•
Incoming Ball Bearing Bushing for Lincoln® Conduit	K1551-2	•			•	•	•	•	•	•	•	•	•	•	•	•	•
Adapter for Competitive Power Sources	K2335-2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Postflow and Burnback Timer Kit	K2330-1		•	•													
14 lb (6.4 kg) Innershield® Coil Spindle Adapter	K435			•													
8 in (203.2 mm) Spindle Adapter for Small Spools	K468			•													
Remote Voltage Control Kit	K2329-1		•	•													
Spindle Adapter for Readi-Reels® and Spools	K162-1		•	•													
Harris® Argon/CO <sub>2</sub> Flowmeter Regulator & Hose Kit, 10 ft (3.0 m)	3100211	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Adapter Cable, Female 14-pin Control Cable to Terminal Strip	K1798	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Power Feed® 84 Gas Flow Sensor	K3338-1														•	•	

• Required    • Optional

# Accessories

Product Name	Product No.	LF-74™ Wire Feeder		Flex Feed® 74 HT					Flex Feed® 84 Single		Flex Feed® 84 Dual		Power Feed® 84 Single		Power Feed® 84 Dual		
		Base Model	Bench Model (Heavy Duty)	Bench Model (Heavy Duty)	Digital Model (Heavy Duty)	Digital Model (HD Gauge Kit)	Digital Model (HD Gauge Kit w/Gum)	Bench Model (Heavy Duty)	Bench Model (Heavy Duty)	Base Model	Base Model	Base Model	Base Model				
<b>GENERAL, CON'T.</b>																	
42 Volt Transformer Kit	K1520-1	•	•	•	•	•	•	•	•	•							
Standard Duty Wire Reel Stand, 44 lbs (20 kg) spools, max.	K2328-1	•	•														
Standard Duty Wire Reel Stand, 44 lbs (20 kg) spools, max.	K3342-1			•	•	•	•	•	•	•	•	•	•	•	•	•	•
Heavy Duty Wire Reel Stand, 60 lbs (27.2 kg) spools, max.	K1524-3	•	•														
Heavy Duty Wire Reel Stand, 44 lbs (20 kg) spools, max. & up to 60 lbs (27.2 kg) coils. (Includes K3341-1 Lift Bail)	K3343-1			•	•	•	•	•	•	•	•	•	•	•	•	•	•
Four Wheeled Wire Feeder Undercarriage	K163-1		•		•	•	•	•	•	•	•	•	•	•	•	•	•
Feeder Mounting Kit for Inverter Cart (req'd for mounting Flex Feed® and Power Feed® feeders to K3059-xx inverter cart)	K4068-1			•	•	•	•	•	•	•	•	•	•	•	•	•	•
Flex Feed® 84 Single or Dual Control Box (no UI)	K5004-2									•	•						
Spool Cover, 30-40 lbs (13.6-18.1 kg) spools	K1634-4		•	•	•	•	•	•	•	•	•						
Spool Cover/Wire Reel Enclosure, Large	K3340-1		•		•	•	•	•	•	•	•	•	•	•	•	•	•
Insulated Lift Bail, 60 lbs (27.2 kg) spools, max.	K1555-1		•														
Lift Bail	K3341-1			•	•	•	•	•	•	•	•	•	•	•	•	•	•
Light Duty Caster Kit	K1556-1		•														
Swivel Platform	K1557-1		•														
Readi-Reel® Adapter 22-30 lbs (10-13.6 kg)	K363P	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Coil Adapter 50-60 lbs (22.7-27.2 kg), 2 in (50.8 mm) spindle	K1504-1		•		•	•	•	•	•	•	•						
Wire Reel and Flux Tank Assembly	K305			•	•	•	•	•	•	•	•						
Wire Straightener	K1733-1			•	•	•	•	•	•	•	•	•	•	•	•	•	•
Water Connection Kit	K590-6			•	•	•	•	•	•	•	•	•	•	•	•	•	•
Shielding Gas Filter	KP3103-1			•	•	•	•	•	•	•	•	•	•	•	•	•	•
Quick Connect Conduit Inlet Bushing	K3929-1			•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>POWER SOURCES</b>																	
Power sources with 42V feeder power from 14-pin connector	—	•	•	•	•	•	•	•	•	•	•						
Power Wave® Compatible	—														•	•	
<b>2-YEAR EXTENDED WARRANTY AVAILABLE</b>		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

For more information on our Extended Warranty program, visit [www.lincolnelectric.com/warranty](http://www.lincolnelectric.com/warranty)

• Optional



# SUBMERGED ARC AND AUTOMATIC EQUIPMENT

WIRE FEEDER MODEL	OUTPUT				PROCESS			INPUT	FEATURES							
	Power Source Required	Wire Feed Speed Range ipm (m/min)	Solid Wire Size Range: in (mm)	Cored Wire Size Range: in (mm)	MIG	Flux-Cored	Submerged Arc	Power	2-Roll Drive	4-Roll Drive	Digital Display					
<b>SEMI-AUTOMATIC WIRE FEEDERS</b>																
<b>Flex Feed® 74HT</b>	DC600, Flextec® 650X	50-700 [1.3-17.8] <sup>(1)</sup>	0.025-3/32 [0.6-2.4]	0.035-0.120 [0.9-3.0]	●	●	●	40VAC		●	●					
<b>Flex Feed® 84</b>	DC600, Flextec® 650X	50-750 [1.3-19.0] <sup>(1)</sup>	0.025-3/32 [0.6-2.4]	0.035-0.120 [0.9-3.0]	●	●	●	40VAC DC		●	●					
<b>MECHANIZED WIRE FEEDERS</b>																
<b>LT-7 Tractor</b>	DC600, DC1000, Flextec® 650X, Vantage® 549X, Vantage® 566X	100-400 [2.5-10.2]	3/32-3/16 [2.4-4.8]	3/32-3/16 [2.4-4.8]			●	115VAC	●							
<b>Cruiser™ and Tandem Cruiser™</b>	Power Wave® AC/DC 1000® SD, Flextec® 650X	15-500 [0.4-12.7]	1/16-7/32 [1.6-5.6]	—			●	40VDC	●	●	●					
<b>AUTOMATIC WIRE FEEDERS</b>																
<b>NA-3 Control and Heads</b>	DC600, DC1000, DC1500, Flextec® 650X, Vantage® 549X, Vantage® 566X	25-600 [0.6-15.2]	0.035-7/32 [0.9-5.6]	0.045-5/32 [1.1-4.0]	●	●	●	115VAC	●							
<b>NA-4 Control and Heads</b>	AC1200	subject to arc voltage used	1/16-7/32 [1.6-5.6]	—			●	115VAC	●							
<b>NA-5 Control and Heads</b>	DC600, DC1000, DC1500, Flextec® 650X	25-775 [0.6-19.7]	0.035-7/32 [0.9-5.6]	0.045-5/32 [1.1-4.0]	●	●	●	115VAC	●		●					
<b>MAXsa® 10 Controller and MAXsa® 22 Feed Head</b>	Flextec® 650X, Power Wave® AC/DC 1000® SD	10-500 [0.25-12.7]	1/16-7/32 [1.6-5.6]	—			●	40VDC	●		●					
<b>MAXsa® 19 Controller and MAXsa® 29 Feed Head</b>	Power Wave® AC/DC 1000® SD	10-500 [0.25-12.7]	1/16-7/32 [1.6-5.6]	—			●	40VDC	●		●					
WELDER MODEL	OUTPUT			PROCESS						INPUT		FEATURES				
	Mode	Polarity	Current Range (Amps)	Stick	TIG	MIG	Pulsed	Flux-Cored	Submerged Arc	Arc Gouge	Phase	Hertz	Waveform Control Technology*	ArkLink® Digital Communication	Stackable	7-yr. Warranty (on Power Rectifier)
<b>ENGINE DRIVEN</b>																
<b>Vantage® 549X</b>	CC/CV	DC	30-575	●	●	●	●	●	●	●	N/A	N/A		●		
<b>Vantage® 566X</b>	CC/CV	DC	30-600	●	●	●	●	●	●	●	N/A	N/A		●		
<b>ANALOG</b>																
<b>Idealarc® DC600</b>	CC/CV	DC	70-680	●	●	●		●	●	●	3	60			●	●
<b>Idealarc® DC1000</b>	CC/CV	DC	150-1300					●	●	●	3	60			●	●
<b>Idealarc® DC1500</b>	CC/CV	DC	200-1500					●	●	●	3	60				●
<b>Idealarc® AC1200</b>	CC/CV	AC	200-1500						●		1	60				●
<b>DIGITAL</b>																
<b>Power Wave® AC/DC 1000® SD</b>	CC/CV	AC/DC	100-1000						●		3	50/60	●	●		
<b>Power Wave® S700</b>	CC/CV	DC	20-900	●	●	●	●	●	●	●	3	50/60	●	●		
<b>Power Wave® S700 CE</b>	CC/CV	DC	20-900	●	●	●	●	●	●	●	3	50/60	●	●		
<b>Flextec® 650X</b>	CV	DC	40-815	●	●	●		●	●	●	3	50/60		●		

KEY: ● Excellent ● Good ● Optional

## Flex Feed® 74 HT

### High-Torque, High Performance

- Select models include contactors to electrically isolate the gouging stud
- 2-step/4-step trigger interlock enhances operator comfort for longer welds
- Feed plate can be located on either right or left side of the weld drive housing for easy integration into any work center



#### Processes

- MIG
- Flux-Cored
- Hand-Held SAW
- Gouging (CAG) - with gouging option installed
- Submerged Arc

#### Output



#### Input



#### Literature

E8.203

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
Flex Feed® 74 HT w/Simple UI, Heavy Duty Reel	K3883-11	24-42V AC 50/60 Hz	600A/60% (wire drive only)	20 TOOTH <sup>(1)</sup> : 50-500 (1.3-12.7)	GMAW: 0.025-3/32 [0.6-2.4] FCAW: 0.035-0.120 [0.9-3.0]	11.1 x 13.6 x 13.3 (294 x 345 x 337) wire drive only	36 [16.3]
w/Digital UI, Heavy Duty Reel	K3883-12		500A/60% (wire drive w/gouging kit)	30 TOOTH : 50-700 (1.3-19.0)	GMAW: 0.025-1/16 [0.9-1.6] FCAW: 0.035-5/64 [0.9-2.0]		
w/Simple UI, Heavy Duty Reel, Gouge Kit	K3883-13		600A/30% (gouging stud)				56 [25]
w/Digital UI, Heavy Duty Reel, Gouge Kit	K3883-14						

<sup>(1)</sup>Installed from factory. NOTE: Other Bench Configurations available. See Literature.

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Flex Feed® 84

### An Industrial Wire Feeder for High-Productivity, Heavy Fab Applications

- Designed especially for consistent feeding over long conduit runs and large diameter wires
- Select models include contactors to electrically isolate the gouging stud
- Advanced MAXTRAC® cast aluminum wire drive system features patented tool-less drive roll and split wire guide design
- Configure for single, dual, bench or boom setups as your workspace changes



#### Processes

- MIG
- Flux-Cored
- Hand-Held SAW
- Gouging (CAG) - with gouging option installed
- Submerged Arc

#### Output



#### Input



#### Literature

E8.204.1

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Wire Feed Speed Range : ipm (m/min)	Wire Size Range: in (mm)		H x W x D in (mm)	Net Wt. lb (kg)
					Solid	Cored		
Flex Feed® 84 Single Head	K5000-2	24-42V AC 50/60 Hz 10 amps	Wire Drive: 600A/60%	Standard Speed / Installed 20 Pinion Gear <sup>(1)</sup> : 35-500 [0.9-12.7]	0.025-3/32 [0.6-2.4]	0.035-0.120 [0.9-3.0]	16.5 x 15.5 x 28 (419 x 394 x 711)	56 [25.4]
w/Contactor and Gouge Stud	K5000-3		Wire Drive with Contactors or Gouging: 500A/60%	Standard Speed / 30 Pinion Gear: 50-750 [1.3-19.0]	0.025-1/16 [0.9-1.6]	0.035-5/64 [0.9-2.0]		
			Gouging Stud: 600A/30%	High Speed / Installed 20 Pinion Gear: 50-750 [1.3-19.0]	0.025-1/16 [0.9-1.6]	0.035-5/64 [0.9-2.0]		
			Wire Drive w/Contactors: 500A/60%	High Speed / Installed 20 Pinion Gear: 50-1200 [1.3-30.4]	0.025-0.045 [0.9-1.1]	0.035-1/16 [0.9-1.6]		

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

<sup>(1)</sup>Installed from factory. NOTE: Other Bench and Boom configurations available. See literature.

## LT-7 Tractor

### Track Greater Submerged Arc Productivity

- Calibrated tractor drive travels 6 to 70 ipm (0.12 to 127.0 m/min)
- Vertical head lift adjuster for adjusting electrical stick-out from 1/2 to 5 in. (12.7 - 127 mm)
- Control box can be mounted on either left or right, eliminating the need to return to the power source for routine procedure changes
- Welds horizontal fillets, lap and butt joints to the left or right side of the tractor frame for convenience



**Processes**

- Submerged Arc

**Output**



**Input**



**Literature**

E9.70

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>LT-7 Tractor Base Model</b>	K227-1	115V AC 50/60 Hz	600A/100% 1100A/100% (w/water cooling)	NA	100-400 (2.5-10.2)	SOLID: 3/32-3/16 (2.4-4.8)	27.5 x 33 x 14 (698 x 838 x 356)	120 (54)
<b>Track Model</b>	K395-1							130 (59)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Cruiser™ Tractor

### Rigid, Configurable and Quick

- For butt and fillet joints on plate welding common in bridge or barge decking, tank fabrication or shipbuilding
- Set up with or without a track and three or four wheel operation
- Strong, rigid and stiff where you need it most – frame, mast, clamps, wheels and outriggers
- Deposition rates up to 30 lbs. (13.6 kg) per hour



**Processes**

- Submerged Arc

**Output**



**Input**



**Literature**

E9.170 and E9.181

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Cruiser™ Tractor<sup>(1)</sup> Base Model</b>	K3048-2	40V DC	1000A/100%	142:1	15-200 (0.4-5.0)	SOLID: 3/32-7/32 (2.4-5.6)	29 x 23 x 36 (736 x 584 x 914)	207 (94)
	95:1 <sup>(2)</sup>			15-300 (0.4-7.6)	1/16-1/8 (1.6-3.2)			
	57:1 <sup>(2)</sup>			50-500 (1.3-12.7)	1/16-3/32 (1.6-2.4)			

<sup>(1)</sup>Travel Speed, in/min. (m/min) : 10-100 (0.25-2.5) <sup>(2)</sup>Optional Gearing

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Tandem Cruiser™ Tractor

### Double the Deposition

- Deposition rates up to 30 lbs. (13.6 kg) per hour per arc for greater productivity on thick materials
- For butt and fillet joints on plate welding common in bridge or barge decking, tank fabrication or shipbuilding
- Set up with or without a track
- Strong, rigid and stiff where you need it most – frame, mast, clamps, wheels and outriggers



**Processes**

- Submerged Arc

**Output**



**Input**



**Literature**

E9.170 and E9.181

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Tandem Cruiser™ Tractor<sup>(1)</sup></b> Tandem Model	K3083-1	40V DC	1000A/100%	142:1	15-200 (0.4-5.0)	SOLID: 3/32-7/32 (2.4-5.6)	36.5 x 45.5 x 41.5 (927 x 1156 x 1054)	300 (136)
				95:1 <sup>(2)</sup>	15-300 (0.4-7.6)	1/16-1/8 (1.6-3.2)		
				57:1 <sup>(2)</sup>	50-500 (1.3-12.7)	1/16-3/32 (1.6-2.4)		

<sup>(1)</sup>Travel Speed, in/min. (m/min) : 10-100 (0.25-2.5) <sup>(2)</sup>Optional Gearing

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## NA-3S Controller

### DC Submerged Arc Control

- Delivers arc sensing or constant wire feed speed control with hot or cold starting for use with either constant current or constant voltage DC power sources
- Includes travel and Inch Up/Inch Down controls to aid set up
- Start and stop the welding cycle with the push of a button



**Processes**

- Flux-Cored
- Submerged Arc

**Output**



**Input**



**Literature**

E9.10

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>NA-3S Controller</b>	K210-2	115V AC, 50/60 Hz	1500 A / 100%	NA	25-650 (0.6-16.5)	SOLID: 1/16-7/32 (0.8-5.6)	11.0 x 13.5 x 12.3 (279 x 343 x 312)	44 (20)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## NA-4 Controller

### Battle Arc Blow with AC Multiple Arc Welding

- Delivers arc sensing control with hot or cold starting for use with constant current AC power sources for submerged arc welding, including AC-AC tandem arc and AC-AC-AC triple arc systems and single electrode submerged arc when arc blow limits the DC welding current and travel speeds
- Includes travel and Inch Up/Inch Down controls to aid set up
- Start and stop the welding cycle with the push of a button



- Processes**
- Flux-Cored
  - Submerged Arc

**Output**



**Input**



**Literature**

E9.10

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
NA-4 Controller	K388-2	115V, 50/60 Hz	1500A/100%	NA	25-650 (0.6-16.5) <sup>10</sup>	SOLID: 0.035 – 7/32 (0.9-5.6)	11.0 x 13.5 x 9.70 (279 x 343 x 246)	35 (16)

<sup>10</sup>Subject to arc voltage used

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## NA-3S/NA-4 and NA-3SF/NA-4F Wire Drives

### Deposit More. Travel Faster.

- Handles wide range of wire diameters and produces a wide wire feed speed range
- Proven, rugged construction minimizes downtime and maintenance costs



- Processes**
- Flux-Cored
  - Submerged Arc

**Output**



**Input**



**Literature**

E9.10

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
NA-3S/NA-4 (142:1) Wire Drive	K208A	115V AC	NA	K208A and K209A = 142:1 K208B and K209B = 95:1	15-290 (0.4-7.4) <sup>10</sup>	SOLID: 3/32-7/32 (2.4-5.6)	20 x 16.5 x 14.5 (508 x 419 x 368)	80 (36.3)
NA-3SF/NA-4F (142:1) Wire Drive	K209A						13.5 x 11 x 13.5 (343 x 279 x 343)	30 (13.6)
NA-3S/NA-4 (95:1) Wire Drive	K208B	115V AC	NA	K208A and K209A = 142:1 K208B and K209B = 95:1	22-425 (0.6-10.8) <sup>10</sup>	SOLID: 0.035-3/32 (0.9-2.4)	14.5 x 20 x 16 (368 x 508 x 406)	74 (33.6)
NA-3SF/NA-4F (95:1) Wire Drive	K209B						13.75 x 11.25 x 13.5 (349 x 285 x 343)	30 (13.6)

<sup>10</sup>Subject to arc voltage used

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## NA-5 Controller

### Precise Mechanized Automation Control

- Digital display monitors preset or actual wire feed speed and voltage
- Includes timer controls for burnback, wire react time and weld cycle stop
- Includes travel and Inch Up/Inch Down controls to aid set up
- Start and stop the welding cycle with the push of a button



#### Processes

- Flux-Cored
- Submerged Arc

#### Output



#### Input



#### Literature

E9.30

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
NA-5 Controller	K356-2	115V AC 50/60 Hz	1500A /100%	NA	25-775 (0.6-19.7)	SOLID: 0.035-7/32 (0.9-5.6)	12.75 x 18.5 x 22.25 (324 x 470 x 565)	41 (18.6)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## NA-5S and NA-5SF Feed Head

### Superior Mechanized Submerged Arc Wire Feeding

- Choose with or without control box, wire reel, brake and flux hopper
- Handles wide range of wire diameters and produces a wide wire feed speed range
- Proven, rugged construction minimizes downtime and maintenance costs



#### Processes

- Flux-Cored
- Submerged Arc

#### Output



#### Input



#### Literature

E9.30

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
NA-5S Head	K346A	115 V AC, 50/60 Hz	NA	K346A and K347A = 142:1 K346B and K347B = 95:1	15-290 (0.4-7.4)	SOLID: 3/32-7/32 (2.4-5.6)	NA	80 (36.3)
NA-5SF Head	K347A					22-425 (0.6-10.8)		
NA-5S Head	K346B							
NA-5SF Head	K347B							

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## MAXsa® 10 Controller

Severe Duty. Digital Ready.

- Waveform Control Technology® enables the user to choose from a library of pre-programmed modes
- Eight procedure memories enable the user to pre-set and save optimal welding parameters
- Hand-held pendant allows operation from 4-100 ft. (1.2-30.5 m) with an ArcLink® extension cable
- IP23 rated for operation in harsh environments
- Easy PLC interfacing to control fixture travel, timers and other system commands



**Processes**  
• Submerged Arc

**Output**



**Input**



**Literature**  
E9.181

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
MAXsa® 10 Controller	K2814-4	40V DC	Determined by wire feeder configuration				15 x 13 x 4 (381 x 259 x 102)	25 (11.3)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## MAXsa® 22 Feed Head

Drive Large Diameter Submerged Arc Wires

- Rotational feed head adjustment in two planes allows flexible, accurate setup for fixturing or arc locating. Optional horizontal and vertical lift adjuster enables additional positioning flexibility
- Can be used in single, tandem, Twinarc® or multiple arc applications
- IP23 rated for harsh environments



**Processes**  
• Submerged Arc

**Output**



**Input**



**Literature**  
E9.181

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
MAXsa® 22 Feed Head (includes Flux Hopper)	K2370-2	40V DC	1000A/100%	142:1 <sup>(0)</sup>	15-200 (0.4-5.0)	SOLID: 3/32-7/32 (2.4-5.6)	12 x 14 x 10 (305 x 355 x 254)	80 (36.3)
				95:1	15-300 (0.4-7.6)	1/16-1/8 (1.6-3.2)		
				57:1	50-500 (1.3-12.7)	1/16-3/32 (1.6-2.4)		

<sup>(0)</sup>142:1 gear box is standard. Conversion Kit supplied for conversion to 95:1 with Wire Drive (K2370-3, K2312-3, or K2311-1)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## MAXsa® 19 and MAXsa® 19 MSA Controllers

### Integrator-Ready Submerged Arc Control

- Specifically designed to relay wire feed commands to the MAXsa® 29 feed head when a customer-supplied user interface is used in integrator-driven applications
- I/O connector block for start/stop, forward/reverse feed and shutdown input interfacing with external accessories
- Status indicator aids diagnostic system troubleshooting
- IP23 rated to withstand harsh environments



**Processes**  
• Submerged Arc

**Output**



**Input**



**Literature**  
E9.181

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
MAXsa® 19 Controller	K2626-4	40V DC	1000A / 100%		Determined by wire feeder configuration		9 x 10.5 x 3 (229 x 267 x 76)	7 (3.2)
MAXsa® 19 MSA Controller	K3172-1							

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## MAXsa® 29 Feed Head

### Ready for Integrator and Robotic Automation

- Intended for integrator solutions and robotic submerged arc applications using the Power Wave® AC/DC 1000® SD power source.
- Closed loop speed control enables full control over starting, running and stopping wire feed speed
- Multi-axis rotational feed head adjustment in one plane allows flexible, accurate setup for fixturing
- IP23 rated to withstand harsh environments
- For use in single, tandem, Twinarc® or multiple arc applications



**Processes**  
• Submerged Arc

**Output**



**Input**



**Literature**  
E9.181

Product Name	Product Number	Input Power: Voltage	Rated Output: Current/Duty Cycle	Gearing	Wire Feed Speed Range: ipm (m/min)	Wire Size Range in (mm)	H x W x D in (mm)	Net Wt. lb (kg)
MAXsa® 29 Feed Head	K2312-2	40V DC	1000A/100%	142:1 <sup>(1)</sup>	15-200 (0.4-5.0)	SOLID: 3/32-7/32 (2.4-5.6)	13 x 16 x 10 (330 x 406 x 254)	35 (15.9)
				95:1	15-300 (0.4-7.6)	1/16-1/8 (1.6-3.2)		
				57:1	50-500 (1.3-12.7)	1/16-3/32 (1.6-2.4)		

<sup>(1)</sup>142:1 gear box is standard. Conversion Kit supplied for conversion to 95:1 with Wire Drive (K2370-3, K2312-3, or K2311-1)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Vantage® 549X

### Diesel Engine Driven Welder/Generator

- Powerful, multi-process machine with advanced welding capabilities
- Compliant 49.4 horsepower engine meets all federal and state emission regulations without the worry of additional compliance fees
- Lab tested, field proven ruggedness for the harshest environments
- Turbo-charged Deutz® diesel engine provides excellent cold weather and high altitude performance
- CrossLinc® enabled, which increases productivity, promotes safety and improves weld quality



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.213

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	No. of Cylinders	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Vantage® 549X</b> Base Model	K3534-2	525A/41V/100% 575A/38V/60%	CC-Stick: 30 – 575 Amps Downhill Pipe (CC): 40 – 350 Amps Touch Start® TIG: 20 - 350 Amps CV-Wire: 10 – 45 Volts Arc Gouging: 60 – 575 Amps	Deutz® TD2.9L4 Turbo-Charged Water Cooled Diesel EPA Tier 4 Final Compliant	4	49.4 @ 1800	42 x 32.9 x 69 (1067 x 836 x 1753)  To top of exhaust tube: 58.1 (1476)	1662 (753) — —
Ready-Pak® Pkg. 1	K3534-2-RP1							—
Ready-Pak® Pkg. 2	K3534-2-RP2							—
Ready-Pak® Pkg. 3	K3534-2-RP3							—

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Vantage® 566X

### A Rugged and Reliable Powerhouse

- Powerful, multi-process machine with advanced welding capabilities with up to 600 amps of welding output
- Lab tested, field proven ruggedness for the harshest environments
- Turbo-charged engine provides excellent cold weather and high altitude performance
- Select one of five process modes: CC-Stick, Downhill Pipe, DC Touch Start TIG®, CV-Wire and Arc Gouging



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Gouging

**Output**



**Input**



**Literature**

E6.221

Product Name	Product Number	Rated Output: Current/Voltage/Duty Cycle	Output Range	Engine	No. of Cylinders	HP & Speed (rpm)	H x W x D in (mm)	Net Wt. lb (kg)
<b>Vantage® 566X</b> Base Model	K3239-3	525A/41V/100% 600A/40V/60%	C-Stick: 30 – 600 Amps Downhill Pipe (CC): 40 – 350 Amps Touch Start® TIG: 20 - 350 Amps CV-Wire: 10 – 45 Volts Arc Gouging: 60 – 600 Amps	Deutz® TD2.9L4 Turbo-charged Diesel EPA Tier 4 Final Compliant	4	65.7 @ 1800	42 x 32.9 x 69 (1067 x 836 x 1753)  To top of exhaust tube: 58.1 (1476)	1662 (754) — —
Ready-Pak® Pkg. 1	K3239-3-RP1							—
Ready-Pak® Pkg. 3	K3239-3-RP3							—

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Idealarc® DC600

### Industrial DC Multi-Process Welders

- Full range output voltage control provides easy operation and precise control
- Voltage Reduction Device™ (Found in the VRD® model) reduces open circuit voltage for an additional level of safety
- Circuitry protected against moisture and corrosive environments
- Seven-year warranty on power rectifier



#### Processes

- Stick
- DC TIG
- MIG
- Flux-Cored
- Submerged Arc
- Gouging

#### Output



#### Input



#### Literature

E5.40

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Idealarc® DC600 <sup>(1)</sup> Base Models	K1288-22	230/460/575/3/60	600A/44V/100% 680A/44V/60%	108/54/43.2A	CV: 70A/13V - 780A/44V CC: 90A/24V - 780A/44V	30.7 x 22.2 x 39 (781 x 565 x 965)	522 (237)
	K1288-17	230/460/575/3/60		108/54A			
w/Multi-Process Switch	K1288-18						
Idealarc® DC600 w/VRD™	K1288-28	230/460/575/3/60		108/54/43A			
Idealarc® DC600	K1365-23	220/380/440/3/50/60		116/67/58A			
Idealarc® DC600	K1365-24	280/500/3/50/60		67/51A			
Idealarc® DC600 w/VRD™	K1365-28	380-415/3/50/60	67-62A				

<sup>(1)</sup>50 Hertz models also available

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Flextec® 650X

### Multi-Process Power for Heavy Duty Applications

- Supports the CV-Subarc process for both 42V and 115V submerged arc feeders
- Compatible with most Lincoln Electric feeders including portable across-the-arc, CrossLinc®, ArcLink® and common bench or boom models
- Engineered for outdoor use and harsh environments (IP23 rated)
- Substantial gouging capability with up to a 1/2 in. (12.7 mm) carbon



#### Processes

- Stick
- DC TIG
- MIG
- Flux-Cored
- Arc Gouging
- Submerged Arc

#### Output



#### Input



#### Literature

E5.96

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Flextec® 650X Base Model	K3425-1	380/460/575/3/50/60	750/44/60% <sup>(1)</sup> 650/44/100% <sup>(1)</sup>	61/50/40A 57/47/38A	40-815A	21.8 x 16.1 x 29.3 (554 x 409 x 744)	165 (75)
w/CrossLinc™ / LF-74 Ready-Pak®	K3512-1				10-815A		510 (231.3)
LF-74 HD One-Pak®	K3513-1						224 (101.6)
w/CrossLinc™ Flex Feed® 84 One-Pak®	K3514-1						235 (106.6)

<sup>(1)</sup>Output is limited to 600A/100% and 700A/60% when used with the K3091.1 Multi-Process Switch

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## Idealarc® DC1000

Rugged Constructon. Simple Controls.

- Full range output control provides easy operation and precise arc control
- Terminal strip and output studs accommodate remote connections and cable
- Low profile case allows installation under a workbench and for stacking up to two machines to conserve floor space
- Internal components are coated to protect against moisture and corrosion; removable side panels allow easy access to internal parts
- Seven-year warranty on power rectifier



**Processes**

- Flux-Cored
- Submerged Arc
- Gouging
- MIG

**Output**



**Input**



**Literature**

E5.50

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Idealarc® DC1000 <sup>(1)</sup> Base Models	K1386-3	230/460/3/60	1000A/44V/100%	193/96.5A	16-46V 150-1300A	30.7 x 22.5 x 39 (781 x 572 x 991)	821 (372)
	K1386-4	575/3/60		77.2A			
Idealarc® DC-1000 Multi-Process Welder (CE)	K1387-14	380/440/3/50/60		112/96.5A			

<sup>(1)</sup>50 Hertz models also available

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Idealarc® DC1500 Subarc Welder

Plenty of Power for Mechanized Automation

- Mode switch selects the desired output characteristics for the process being used
- Internal components protected against moisture and corrosive environments
- Terminal strip and output studs allow for remote connections and cable
- Produces outstanding arc characteristics on both constant voltage and constant current processes
- Seven-year warranty on power rectifier



**Processes**

- Flux-Cored
- Submerged Arc
- Gouging

**Output**



**Input**



**Literature**

E5.60

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Idealarc® DC1500 <sup>(1)</sup> Base Model	K1275	460/3/60	1500A/44V/100% 1500A/60V/100%	184A	200-1500A 20-60V	57.2 x 22.3 x 38 (1453 x 566 x 965)	1420 (644)

<sup>(1)</sup>50 Hertz models also available

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Idealarc® AC1200 Subarc Welder

### AC Large Wire Diameter Welding

- Controls adjust output settings while welding or at idle
- Internal components protected against moisture and corrosive environments
- Includes Scott® connection taps for two AC welding heads operating in tandem
- Specifically designed for submerged arc welding with the NA-4 wire feeder and control on AC-AC tandem arc and AC-AC-AC triple arc systems and single electrode submerged arc when arc blow limits the DC welding current and travel speeds
- Three output studs with overlapping ranges
- Seven-year warranty on power rectifier



**Processes**

- Submerged Arc

**Output**



**Input**



**Literature**

E5.70

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Idealarc® AC1200	K3140-2	380/415/440/460 <sup>DB</sup> /1/50/60	1200A/44V/100%	230/201/190/182A	50/60 HZ: 240-1500A 30-44V  60 HZ: 200-1500A 28-44V	62.2 x 22 x 38 (1580 x 559 x 965)	1636 (742)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Power Wave S700

### Flexible Configuration. Endless Possibilities.

- The ideal power source for high amperage, high duty cycle applications
- A wide output range (20-900A) delivers maximum performance
- Embedded Waveform Control Technology® delivers the ideal arc for any application



**Processes**

- Stick
- TIG, MIG
- Pulsed MIG
- Flux-Cored
- SAW, Tandem MIG®
- Carbon Arc Gouging
- HyperFill™

**Output**



**Input**



**Literature**

E5.120

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Power Wave® S700	K3279-1	380-415, 440-460, 500, 575/3/50, 60	700A/44V/100% [900A/44V/60%	55A/46A/42A/38A [74A/60A/56A/49A]	20-900A	30.1 x 19.1 x 36.7 (765 x 485 x 932)	400 (181)
CE Model	K5372-1	380-415, 460-480, 500, 3/50, 60		55A/46A/42A [74A/60A/54AA]			365 (165)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Power Wave® AC/DC 1000® SD

Speed. Quality. Efficiency.

- CheckPoint™ – A cloud-based system to view or analyze your welding data - track equipment usage, store weld data, configure fault limits and more
- Eliminate downtime - easy polarity switching requires no hardware reconfiguration
- 3-phase voltage input eliminates the imbalance associated with transformer-based AC welding machines



### Processes

- DC+ Submerged Arc
- DC- Submerged Arc
- Balanced AC Submerged Arc
- Variable AC Submerged Arc

### Output



### Input



### Literature

E9.181

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
Power Wave® AC/DC 1000® SD <sup>(1)</sup>	K2803-1	380/400/460/500/575/3/50/60	1000A/44V/100%	82/79/69/62/55A	100-1000A	49.2 x 19.2 x 46.2 (1250 x 488 x 1174)	800 (363)

<sup>(1)</sup>Filter is required to meet CE conducted emission requirements. The K2444-3 must be used with the K2803-2

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### Flex Feed® 74 HT

*Required Accessories for all models*

- Drive Roll and Guide Tube Kits
- Control Cable, 10 ft. (3.0 m) and Adapters
- Weld Power Cable
- Coaxial Weld Power Cables

#### Simple UI, HD Reel (K3883-11)

- Basic User Interface without Meters
- Standard #4 Gun Adapter
- Heavy Duty Wire Reel Stand, 60 lbs. (27.2 kg) (K3343-1)
- Lift Bail (K3341-1)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3.0 m) (K1797-10)
- Inlet Bushing, Quick Connect Style (K3929-1)
- Flex Feed® 74 HT - Simple U/I, No Reel (K3883-1)

#### Digital UI, HD Reel (K3883-12)

- Digital Meters
- Standard #4 Gun Adapter
- Inlet Bushing, Quick Connect Style (K3929-1)
- Wire Reel Stand - Heavy Duty (K3343-1)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Flex Feed® 74 HT - Digital U/I, No Reel (K3883-2)
- Gouge Kit
- Lift Bail (K3341-1)

#### Simple UI, HD Reel, Gouge Kit (K3883-13)

- Basic User Interface without Meters
- Standard #4 Gun Adapter
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Inlet Bushing, Quick Connect Style (K3929-1)
- Wire Reel Stand - Heavy Duty (K3343-1)
- Flex Feed® 74 HT - Simple U/I, No Reel (K3883-1)
- Gouge Kit
- Lift Bail (K3341-1)

#### Digital UI, HD Reel, Gouge Kit (K3883-14)

- Digital Meters
- Standard #4 Gun Adapter
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Inlet Bushing, Quick Connect Style (K3929-1)
- Wire Reel Stand - Heavy Duty (K3343-1)
- Flex Feed® 74 HT - Digital U/I, Gouge Kit (K3883-4)
- Lift Bail (K3341-1)

### Flex Feed® 84

*Required Accessories for all models*

- Drive Roll Kits (KP1505-xxxx Solid and/or Cored Wires and KP1507-xxxx Aluminum Wires)
- Control Cable (K1797-xx)
- Gun Adapter Kits
- Weld Power Cable

#### Single Bench with Heavy Duty Reel Stand Model (K5000-2)

- Single Wire Drive
- Heavy Duty Wire Reel Stand
- #2-#4 Gun Adapter (K3345-1)
- 30-tooth Pinion Gear (K1797-10)
- Inlet Bushing (K1797-10)
- Control Cable, 10 ft. (3.0 m) (K1797-10)

### LT-7 Tractor

#### Standard Model (K227-1)

- Nozzle Assembly
- Weld Power Cable
- Control Cable, 25 ft. (7.6 m) (K1822-25)

#### Track Model (K395-1)

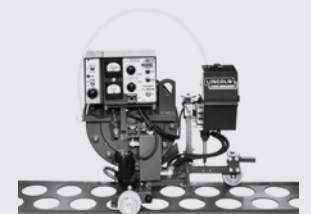
- Nozzle Assembly
- Weld Power Cable
- Control Cable, 25 ft. (7.6 m) (K1822-25)



Shown:  
Flex Feed® 74HT Simple U/I, Heavy  
Duty Reel, Gouge Kit



Shown:  
Flex Feed® 84 with Heavy Duty  
Reel Stand



Shown:  
LT-7 Tractor Track Model

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Cruiser™ and Tandem Cruiser™ Tractors

*Required Accessories for both models*

- ArcLink® Control Cable
- Track Section

#### Cruiser® Tractor (K3048-1) and Tandem Cruiser® Tractor (K3083-1)

- Conduit Tubing, 5 ft. (1.5 m)
- 5/32 in. (4.0 mm), 600 Amp Contact Nozzle Assembly
- 5/32 in. (4.0 mm) Contact Tip
- Nozzle Extension, 5 in. (127 mm)
- Curved Nozzle Extension, 45°
- Nozzle Extension Insulator
- Flux Tubing and Hose Clamps
- Wire Reel Assembly
- Wheels for Track Operation
- Front and Rear Outriggers
- Enclosed Wire Reel (2 for Tandem) (NOTE: Does not include a Control Cable)
- Wire Straightener (2 for Tandem) (K1733-5)
- Cross Slide Assembly (2 for Tandem)

### NA-3S Controller (K210-2) and NA-4 Controller (K388-2)

*Required Accessories*

- Nozzle Assembly
- Control Cable and Adapter
- Weld Power Cable
- Power Source
- Wire Reel(s) and Mounting

**Included:**

- Drive Roll and Guide Tube Kit
- 10 ft. (3.1 m) Control Cable

### NA-5 Controller (K356-2)

*Required Accessories*

- Nozzle Assembly
- Control Cable and Adapter
- Weld Power Cable
- Power Source
- Wire Reel(s) and Mounting
- Drive Roll and Guide Tube Kit

**Included:**

- Drive Roll and Guide Tube Kit
- 10 ft. (3.1 m) Control Cable
- Wire Straightener with Each Head

### Flextec® 650X

**Base Model (K3425-1)**

- Flextec® 650X Multi-Process Welder with CrossLinc™ Technology (K3425-1)
- Locking Foot Kit

**w/CrossLinc™ / LF-74 Ready-Pak® (K3512-1)**

- Flextec® 650X Multi-Process Welder with CrossLinc™ Technology (K3425-1)
- Work Lead - Lug & GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (15.3 m) (K2149-1)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Drive Roll Kit 1/16 in. (1.6 mm) Cored Wire (KP1505-1/16C)
- Cart for Inverter and Wire Feeder (K3059-4)
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) (K1842-10)
- Cable Liner 0.052-1/16 in. (1.3-1.6 mm) 15 ft. (4.6 m) (KP44-116-15)
- Drive Roll 0.035, 0.045 in. (0.9, 1.2 mm), Solid Wire (KP1505-1)
- Connector Kit - LF-72-74, LN-25° Pro, Power Feed® 25M (K466-10)
- Magnum® PRO Curve™ 400 Welding Guns (K2952-2)
- LF-74 Wire Feeder, Bench Model, Heavy Duty (K2426-5)
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit (3100211)

**Flextec® 650X Multi-Process Welder w/CrossLinc™ / LF-74 HD One-Pak® (K3513-1)**

- Flextec® 650X Multi-Process Welder with CrossLinc™ Technology (K3425-1)
- Work Lead - Lug & GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (15.3 m) (K2149-1)
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) (K1797-10)
- Drive Roll Kit 1/16 in. (1.6 mm) Cored Wire (KP1505-1/16C)
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) (K1842-10)
- Cable Liner 0.052-1/16 in. (1.3-1.6 mm) 15 ft. (4.6 m) (KP44-116-15)
- Drive Roll Kit, 0.035, 0.045 in. (0.9, 1.2 mm), Solid Wire (KP1505-1)
- Connector Kit - LF-72-74, LN-25° Pro, Power Feed® 25M (K466-10)
- Magnum® PRO Curve™ 400 Welding Guns (K2952-2)



Shown:  
Cruiser® Tractor



Shown:  
Tandem Cruiser® Tractor



Shown:  
Flextec® 650X Multi-Process  
Welder w/CrossLinc™ / LF-74  
Ready-Pak®



## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### Flextec® 650X Multi-Process Welder w/CrossLinc™ / LF-74 HD One-Pak® Cont'd

- LF-74 Wire Feeder, Bench Model, Heavy Duty [K2426-5]
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit [3100211]

### Flextec® 650X Multi-Process Welder w/CrossLinc™ Flex Feed® 84 One-Pak® [K3514-1]

- Flextec® 650X Multi-Process Welder with CrossLinc™ Technology [K3425-1]
- Work Lead - Lug & GC500 Ground Clamp (4/0, 600A, 60%) - 15 ft. (15.3 m) [K2149-1]
- Drive Roll Kit 1/16 in. (1.6 mm) Cored Wire [KP1505-1/16C]
- Control Cable Extension - Male 14 pin to Female 14 pin - 10 ft. (3 m) [K1797-10]
- Weld Power Cable - Lug to Lug (3/0, 600A, 60%) - 10 ft. (3 m) [K1842-10]
- Cable Liner 0.052-1/16 in. (1.3-1.6 mm), 15 ft. (4.6 m) [KP44-116-15]
- Drive Roll Kit, 0.035, 0.045 in. (0.9, 1.2 mm), Solid Wire [KP1505-1]
- Connector Kit - LF-72-74, LN-25° Pro, Power Feed® 25M [K466-10]
- Magnum® PRO Curve™ 400 Welding Guns [K2952-2]
- Model 355-2Ar-58010 Flowmeter Regulator Shielding Gas Kit [3100211]
- Flex Feed® 84 Single Bench with Heavy Duty Wire Reel Stand [K5000-2]

### Vantage® 549X

**Base Model [K3534-2]**

#### Ready-Pak® 1 [K3534-2-RP1]

- Vantage® 549X (Deutz®) [K3534-2]
- EH-405HD Electrode Holder - 400A, 60% Duty Cycle [K909-8]
- Cable Rack for Welder Trailers [K2640-1]
- Fender and Light Kit for Welder Trailers [K2639-1]
- Large Two-Wheel Welder Trailer [K2637-2]
- Weld Cable - Tweco® Male & Female (3/0, 600A, 60%) - 50 ft. (15.3 m) [K2485-3]
- Weld Cable - Tweco® Male & Open End (3/0, 600A, 60%) - 10 ft. (3 m) [K2483-3]
- Insulated CT40FS Female Connector [K2487-1]
- Weld Cable - Tweco® Male & 0.53 Lug (3/0, 600A, 60%) - 50 ft. (15.3 m) [K2484-3]
- GC-500 Work Clamp - 500A, 60% Duty Cycle [K910-2]

#### Ready-Pak® 2 [K3534-2-RP2]

- Vantage® 549X (Deutz®) [K3534-2]
- Large Two-Wheel Welder Trailer [K2637-2]

#### Ready-Pak® 3 [K3534-2-RP3]

- Vantage® 549X (Deutz®) [K3534-2]
- Cable Rack for Welder Trailers [K2640-1]
- Fender and Light Kit for Welder Trailers [K2639-1]
- Large Two-Wheel Welder Trailer [K2637-2]

### Vantage® 566X (Deutz®)

**Base Model [K3239-3]**

#### Ready-Pak® 1 [K3239-3-RP1]

- Vantage® 566X (Deutz®) [K3239-3]
- EH-405HD Electrode Holder - 400A, 60% Duty Cycle [K909-8]
- Cable Rack for Welder Trailers [K2640-1]
- Fender and Light Kit for Welder Trailers [K2639-1]
- Large Two-Wheel Welder Trailer [K2637-2]
- Weld Cable - Tweco® Male & Female (3/0, 600A, 60%) - 50 ft. (15.3 m) [K2485-3]
- Weld Cable - Tweco® Male & Open End (3/0, 600A, 60%) - 10 ft. (3 m) [K2483-3]
- Insulated CT40FS Female Connector [K2487-1]
- Weld Cable - Tweco® Male & 0.53 Lug (3/0, 600A, 60%) - 50 ft. (15.3 m) [K2484-3]
- GC-500 Work Clamp - 500A, 60% Duty Cycle [K910-2]

#### Ready-Pak® 3 [K3239-3-RP3]

- Vantage® 566X (Deutz®) [K3239-3]
- Cable Rack for Welder Trailers [K2640-1]
- Fender and Light Kit for Welder Trailers [K2639-1]
- Large Two-Wheel Welder Trailer [K2637-2]



Shown:  
Flextec® 650X Flex Feed® 84  
One-Pak® [K3514-1]



Shown:  
Vantage® 549X (Deutz)  
Ready-Pak®



# Accessories

Product Name	Product No.	Simple U/L Heavy Duty	Flex Feed™ 74HT	Single Bench Heavy Duty	Flex Feed™ 84	Base Model	LT-7 Tractor	Base Model	Cruiser™ Tractor	Base Model	Tandem Cruiser™ Tractor	Base Model	NA-3S Controller	Base Model	NA-4 Controls & Heads	Base Model	NA-5 Controls & Heads	Base Model	MAXsa® Controllers and Feed Heads	Base Model	Vantage™ 549X	Base Model	Vantage™ 566X	Base Model	Idealarc™ DC600	Base Model	Flextec™ 650X	Base Model	Idealarc™ DC1000	Base Model	Idealarc™ DC1500	Base Model	Idealarc™ AC1200	Base Model	Power Wave™ AC/DC 1000™ 5D				
		K3883-11	K5000-2	K227-1	K395-1	K3048-2	K3083-1	K210-2	various model #s	various model #s	various model #s	K3534-2	K3239-3	K1288-22	K1288-17	K1288-18	K3425-1	K1386-3	K1386-4	K1275	K3140-2	K2803-1																	
<b>GENERAL, CONT.</b>																																							
Horizontal Fillet and Lap Adapter Kit	K232			•	•																																		
Flat Fillet Adapter Kit	K229			•	•																																		
Butt Seam Guide Kit	K230			•	•																																		
Track Section, 70 in. (1.8 m)	K396			•	•	•	•																																
Concentric Flux Cone Assembly	K285			•	•								•	•	•	•																							
Tube and Clamp Kit	K3090-1								•	•																													
Cross Slide Assembly	K3089-1								•	•																													
Wire Straightener	K1733-5								•	•			•	•	•	•																							
Tiny Twinarc® Solid Wire Straightener	K281												•	•	•	•																							
Start Controls P.C. Board for Automatics	K221												•	•																									
Butt Joint Guide	K3154-1								•	•																													
Crater Fill Controls P.C. Board for Automatics	K245													•	•																								
Horizontal Adjuster, 2 in. (50.8 mm)	K96													•	•	•	•																						
Vertical Lift Adjuster, 4 in. (101.6 mm)	K29													•	•	•	•																						
TC-3 Self-Propelled High Capacity Travel Carriage	K325HCS													•	•	•	•																						
Automatic Flux Hopper Assembly	K219													•	•	•																							
Wire Reel Assembly for 50-60 lb. (22.7-27.2 kg) Coils (without high frequency insulation)	K299			•	•								•	•	•	•																							
Magnum® Narrow Gap Deep Groove Nozzle	K386													•	•	•	•																						
Contact Jaw Assembly for 1/8-7/32 in. (3.2-5.6 mm) Wire	K226R													•	•	•	•																						
Contact Tip - 3/32-3/8 in (4 - 9.5 mm) 16 Thread	KP2108-1B1																•	•																					
Contact Tip, 5/64 in. (2.0 mm), 3/8 in. (9.5 mm) 24 Thread	KP2082-2B1												•	•																									
Liner Spring, 0.133 in. (3.4 mm) ID, 0.240 in. (6.1 mm) OD, 12.60 in. (320.0 mm)	KP2095-15																•	•																					
Magnum® Contact Tip, Pressure Shoe Type, 1/16 in. (1.6 mm) wire diameter	KP1966-2B1																•	•																					
Weld Power Cable, Lug to Lug 4/0, 35 ft. (10.7 m), qty. 2	K2163-35																						•	•				•	•	•	•	•	•	•	•	•	•	•	
Weld Power Cable, Lug to Lug 4/0, 60 ft. (18.3 m), qty. 2	K2163-60																						•	•				•	•	•	•	•	•	•	•	•	•	•	
Weld Power Cable, Lug to Lug 4/0, 600A, 60%, 110 ft. (33.5 m)	K1842-110																						•	•				•	•	•	•	•	•	•	•	•	•	•	

• Optional

# Accessories

Product Name	Product No.	Simple U/I, Heavy Duty	Flex Feed <sup>®</sup> 74HT	Single Bench, Heavy Duty	Flex Feed <sup>®</sup> 84	Base Model	LT-7 Tractor	Base Model	Cruiser <sup>™</sup> Tractor	Base Model	Tandem Cruiser <sup>™</sup> Tractor	Base Model	NA-3S Controller	Base Model	NA-4 Controls & Heads	Base Model	NA-5 Controls & Heads	Base Model	MAXsa <sup>®</sup> Controllers and Feed Heads	Base Model	Vantage <sup>®</sup> 549X	Base Model	Vantage <sup>®</sup> 566X	Base Model	Idealarc <sup>®</sup> DC600	Base Model	Flextec <sup>®</sup> 650X	Base Model	Idealarc <sup>®</sup> DC1000	Base Model	Idealarc <sup>®</sup> DC1500	Base Model	Idealarc <sup>®</sup> AC200	Base Model	Power Wave <sup>®</sup> AC/DC 1000 SD	
	K3883-11																																			
	K5000-2																																			
	K227-1																																			
	K395-1																																			
	K3048-2																																			
	K3089-1																																			
	K210-2																																			
	various model #s																																			
	various model #s																																			
	various model #s																																			
	K3534-2																																			
	K3239-3																																			
	K1288-22																																			
	K1288-17																																			
	K1288-18																																			
	K3425-1																																			
	K1386-3																																			
	K1386-4																																			
	K1275																																			
	K3140-2																																			
	K2803-1																																			

**GENERAL, CON'T.**

Severe Duty Contact Tip, 3/32 in. (2.4 mm)	KP1962-3B1																																				
Severe Duty Contact Tip, 1/8 in. (3.2 mm)	KP1962-1B1																																				
Severe Duty Contact Tip, 5/32 in. (4.0 mm)	KP1962-4B1																																				
Severe Duty Contact Tip, 3/16 in. (4.8 mm)	KP1962-2B1																																				
Severe Duty Contact Tip, 7/32 in. (5.6 mm)	KP1962-5B1																																				
Extended Life Contact Tip, 3/32 in. (2.4 mm)	KP3162-3B1																																				
Extended Life Contact Tip, 1/8 in. (3.2 mm)	KP3162-1B1																																				
Extended Life Contact Tip, 5/32 in. (4.0 mm)	KP3162-4B1																																				
Extended Life Contact Tip, 3/16 in. (4.8 mm)	KP3162-2B1																																				
Extended Life Contact Tip, 7/32 in. (5.6 mm)	KP3162-5B1																																				
Tiny Twinarc <sup>®</sup> Assembly for 1/16 in. (1.6 mm) Wire	K129-1/16																																				
Tiny Twinarc <sup>®</sup> Assembly for 5/64 in. (2.0 mm) Wire	K129-5/64																																				
Tiny Twinarc <sup>®</sup> Assembly for 3/32 in. (2.4 mm) Wire	K129-3/32																																				
Submerged Arc Twinarc <sup>®</sup> Nozzle for 5/64, 3/32 and 1/8 in. (2.0, 2.4 and 3.2 mm) Wire	K225																																				
Tandem Arc Framework Assembly	K387																																				
Tandem Arc Wire Reels and Mountings	K390																																				
Flux Hopper Assembly	K389																																				
Control to Head Cable Extension, 46 ft. (14.0 m)	K338-46																																				
Control to Head Cable Extension, 26 ft. (7.9 m)	K335-26																																				
Solenoid Kit	K223																																				
Spindle Adapter for Readi-Reels <sup>®</sup> and Spools	K162-1																																				
Start or Crater Module for NA-5 Control	K334																																				
Weld Timer Module - max time 9.99 sec.	K337-10																																				
Remote Interface Module	K336																																				
Automatic Flux Hopper Assembly	K219																																				
Mounting Bracket for TC-3	K2462-1																																				
Multi-Process Switch	K804-1																																				
Arc Tracker <sup>™</sup>	K3019-1																																				
Multi-Process Switch	K3091-1																																				
Paralleling Kit*	K1897-1																																				
Paralleling Kit*	K1611-1																																				

NOTE » \*On Idealarc DC600, cannot be used with VRD models.

● Optional







# WELDING GEAR & TOOLS

**VIKING™ HELMETS** » Industrial Passive™ · 1740 Series · 1840 Series · 2450 Series · 3350 Series · 3250D FGS® · 2x4C Series Lenses · ArcSpecs™ Series · Powered Air Purifying Respirators (PAPR) · Half Mask Respirators · 2450 ADV Series · 3350 ADV Series · Replacement Helmet Shells · Replacement Parts & Accessories

**APPAREL** » Welding Gear Ready-Paks® · Gloves · Jackets / Shirts / Lab Coat / Apron / Sleeves · Caps / Doo Rags / Beanies / Bibs · Safety Glasses/Goggles/Face Shield

**RADIUS® TOOLS** » Magnetic Fixtures & Hand Lifters · Bags/Backpacks · Wire Brushes · Hand Tools · Holders and Clamps · Curtains / Blankets · Rod Ovens · Welding Fluids · Arc Gouging Carbons

**Personal Respiratory Products** » Powered Air Purifying Respirators · Half Mask Respirators and Accessories · PAPR Replacement Parts and Accessories

## VIKING™ Industrial Passive™

Low Cost, Low-Tech, High-Value Protection

- Matte black finish
- Ratchet headgear
- Meets ANSI Z87.1 and CSA Z94.3 Standards
- An affordable option for students
- Hard hat and magnifying “cheater” lens capable



**Processes**

- All

**Order Number**

- K3371-1  
Industrial Passive

**Literature**

E14.507

Product Name	Fixed Shade	Magnifying “Cheater” Capable Lens	View Size in (mm)	Hard Hat Adapter Capable	Warranty	Net Wt oz [g]
VIKING™ Industrial Passive™	11	Yes	4 x 5 (102 x 127)	Yes	2 Years	19.8 (562)

## VIKING™ 1740 Series

Feature Packed, Economically Priced Helmet

- 4C° Lens Technology, perfect 1/1/1 optical clarity and 6.3 sq. in. (16 sq. cm) auto-darkening viewing area
- Variable 9-13 shade, delay and sensitivity controls with grind mode and LED safety indicator
- Lightweight 18.6 oz. (527.3 g) design offers all day comfort
- Hard hat and magnifying “cheater” lens capable
- 5 Year Warranty



**Processes**

- All

**Order Number**

- K3282-3 Matte Black
- K3495-3 ReCode™
- K4375-3 Ignition™
- K5562-3 Game On
- K5241-3 Mossy Oak® Country DNA®

**Literature**

E14.506

Product Name	Lens Switching Speed	Variable Shade/Control	Magnifying “Cheater” Capable Lens	Grind Mode Shade/Control	Light Sensitivity Control	Delay Control Dark to Light (seconds)	Arc Sensors	TIG Amp Rating	Cartridge Size in (mm)	View Size in (mm)	Temp. Range °C (°F)	Net Wt oz [g]
VIKING™ 1740	1/25,000 seconds	9-13 / Internal	Yes	4/Internal	Variable	0.1-1.0 Fully Adjustable	2	AC/DC: ≥ 5 Amp	DINS: 4.33 x 3.54 (110 x 90)	3.78 x 1.67 (96 x 42.5)	Operating: -10 to +55 (14 to 131) Storage: -20 to +70 (-4 to +158)	18.6 (528)

## VIKING™ 1840 Digital Series

### Superior Optics with External Shade & Grind

- 4C° Lens Technology, 1/1/1 optical clarity and 7.0 sq. in. (17.8 sq. cm) wide-screen viewing area
- 4-Point pivot headgear improves comfort and fit
- Convenient low-profile external shade & grind control increases productivity
- Hard hat and magnifying “cheater” lens capable
- Meets ANSI Z87.1 and CSA Z94.3
- 5 Year Warranty



**Processes**

- All

**Order Number**

- K3023-3 Black
- K3173-3 All American\*
- K4175-3 Aztec™
- K5432-4 Tempered

**Literature**

E14.751

Product Name	Lens Switching Speed	Variable Shade/Control	Battery Replacement Type	Magnifying “Cheater” Capable Lens	Grind Mode Shade/Control	Light Sensitivity Control	Delay Control Dark to Light (seconds)	Arc Sensors	TIG Amp Rating	Cartridge/View Size in (mm)	Temp. Range °C (°F)	Net Wt oz (g)
<b>VIKING™ 1840</b>	1/25,000 seconds	7-13 / Internal	CR2450 Replaceable Lithium Battery (Qty. 1)	Yes	3.5/External	Sensitivity	0.15 - 1.0 0.15 second increments Fully Adjustable	4	AC: > 5 amp  DC: > 2 amp	<b>Cartridge DINs:</b> 5.25 x 4.50 (133 x 114)  <b>View:</b> 3.78 x 1.85 (96 x 47)	<b>Operating:</b> -10 to +55 (14 to 131)  <b>Storage:</b> -20 to +70 (-4 to +158)	19.5 [553]

## VIKING™ 2450 Series

### The Ideal Choice for the Journeyman Fabricator

- 4C° Lens Technology, 1/1/1 optical clarity and large 9.3 sq. in. (23.6 sq. cm) auto-darkening viewing area
- External low profile grind button increases productivity
- Innovative X6 Headgear® distributes weight, reduces pressure and optimizes balance for all day comfort
- 5 Year Warranty



**Processes**

- All

**Order Number**

- K3028-4 Black
- K4411-4 White Tail Camo™
- K3029-4 Heavy Metal®
- K3035-4 Street Rod®
- K3174-4 All American\*
- K3099-4 Graveyard Shift\*

**Literature**

E14.503

Product Name	Lens Switching Speed	Variable Shade/Control	Battery Replacement Type	Magnifying “Cheater” Capable Lens	Grind Mode Shade/Control	Light Sensitivity Control	Delay Control Dark to Light (seconds)	Arc Sensors	TIG Amp Rating	Cartridge/View Size in (mm)	Temp. Range °C (°F)	Net Wt oz (g)
<b>VIKING™ 2450</b>	1/25,000 seconds	5-13 / Internal	CR2450 Replaceable Battery (Qty. 2)	Yes	3.5/External	Continuous	0.1-1.0 Fully Adjustable	4	AC: > 2 amp  DC: > 2 amp	<b>Cartridge US:</b> 5.25 x 4.50 (133 x 114)  <b>View:</b> 3.82 x 2.44 (97 x 62)	<b>Operating:</b> -10 to +55 (14 to 131)  <b>Storage:</b> -20 to +70 (-4 to +158)	21 (595)



## VIKING™ 2450 ADV LED Light Kit

### Brighten Your Work Environment

- Illuminates work area for enhanced productivity, quality and safety
- Innovative, intelligent design; automatically turns on/off
- Separately powered; can be removed in seconds



**Order Number**  
KP5245-1

## VIKING™ 2450 ADV SERIES

### Smart LED Light and Auto-Darkening Lens

- Modular LED light illuminates work area for enhanced productivity, quality and safety
- LED automatically turns off when an arc is struck and turns back on when the arc is extinguished
- 4C° lens technology, 1/1/1 optical clarity and 9.3 sq. in. (23.6 sq. cm) auto-darkening viewing area
- Simple, intuitive adjustments for precise and consistent performance
- X6 Headgear® distributes weight, reduces pressure and optimizes balance



**Processes**  
· All

**Order Number**

- K3028-5 Black
- K3035-5 Street Rod®
- K4411-5 White Tail Camo™
- K3029-5 Heavy Metal®
- K3174-5 All American®
- K3099-5 Graveyard Shift®
- K5243-5 Intergalactic®

**Literature**  
E14.511

Product Name	Lens Switching Speed	Variable Shade/Control	Battery Replacement Type	Magnifying "Cheater" Capable Lens	Grind Mode Shade/Control	Light Sensitivity Control	Delay Control Dark to Light (seconds)	Arc Sensors	TIG Amp Rating	Cartridge/View Size in (mm)	Temp. Range °C (°F)	Net Wt oz (g)
<b>VIKING™ 2450 ADV</b>	1/25,000 seconds	5-13 / Internal	CR2450 Replaceable Battery (Qty. 2)	Yes	3.5 / Internal and External	9 Sensitivity Settings	0.1-0.25 Fully Adjustable	4	AC: > 2 amp DC: > 2 amp	<b>Cartridge US:</b> 5.25 x 4.50 (133 x 114) <b>View:</b> 3.82 x 2.44 (97 x 62)	-10 to +55 (14 to 131)	22 (639.5), 24 (680) w/LED Module

## VIKING™ 3250D FGS®

### The Single Helmet Solution

- 4C° Lens Technology broadens color range and hues with perfect 1/1/1 optical clarity
- 12.5 sq in. (31.8 sq. cm) auto-darkening, wide screen viewing area
- Integrated "Flip-Up" grind shield Increases field of view in both open and closed positions
- Increases productivity and enhances safety
- Hard hat compatible
- Comes with helmet bag, bandana, side window covers and extra cover lenses
- 5 year warranty



**Processes**

- All

**Order Number**

- K3540-3 Black

**Literature**

E14.508

Product Name	Lens Switching Speed	Variable Shade/Control	Battery Replacement Type	Magnifying "Cheater" Capable Lens	Grind Mode Shade/Control	Light Sensitivity Control	Delay Control Dark to Light (seconds)	Arc Sensors	TIG Amp Rating	View Size in (mm)	Temp. Range °C (°F)	Net Wt oz (g)
<b>VIKING™ 3250D FGS®</b>	1/25,000 seconds	5-13 / Internal	CR2450 Replaceable Battery (Qty. 2)	Yes	4 / Internal	Digital Display Control	0.0-1.0 Digital Adjustment	4	AC: > 2 amp  DC: > 2 amp	2.95 x 4.25 (75 x 108)	<b>Operating:</b> -10 to +55 (+14 to +131)  <b>Storage:</b> -20 to +70 (-4 to +158)	28 (793)

## VIKING™ 3350 ADV Series

### Proven Protection. Game-Changing Performance.

- Modular LED light custom designed to improve productivity, quality and safety - LED automatically turns off when an arc is struck and turns back on when the arc is extinguished
- Innovative, user-friendly full color industrial display
- Auto-shade technology to dynamically adjust lens based on the arc and user preferences
- Three memory slots to save commonly used settings
- Bluetooth connectivity to the GearPoint™ App for usage reporting, how-to's and more
- 5 year warranty



**Processes**

- All

**Order Number**

- K3034-5 Black Helmet
- K5423-5 Mossy Oak® Country DNA®
- K3683-5 Daredevil™
- K3428-5 Steampunk®
- K4440-5 Hot Rodders™
- K4034-5 Code Red®

**Literature**

E14.512

Product Name	Lens Switching Speed	Variable Shade/Control	Battery Replacement Type	Magnifying "Cheater" Capable Lens	Grind Mode Shade/Control	Light Sensitivity Control	Delay Control Dark to Light (seconds)	Arc Sensors	TIG Amp Rating	Cartridge/View Size in (mm)	Temp. Range °C (°F)	Net Wt oz (g)
<b>VIKING™ 3350 ADV</b>	1/25,000 seconds	5-13 / Internal, Digital	CR2450 Replaceable Battery (Qty. 2)	Yes	3 / Internal and External	9 Sensitivity Settings	0.1-1.0 Fully Adjustable	5	AC: > 2 amp  DC: > 2 amp	<b>Cartridge US:</b> 4.50 x 5.25 x .36 (114 x 133 x 9)  <b>View:</b> 3.74 x 3.15 (95 x 80)	-10 to +55 (+14 to 131)	23.6 (669) 25 (712) with LED Module



## VIKING™ 3350 Series

### Defining a New Standard in Welding Helmets

- 4C® Lens Technology, 1/1/1/1 optical clarity and extra large 12.5 sq. in. (31.8 sq. cm) viewing area
- External low profile grind control button increases productivity and prevents accidental activation
- Innovative X6 Headgear® distributes weight, reduces pressure and optimizes balance for all day comfort
- Hard hat compatible
- 5 Year Warranty



#### Processes

- All

#### Order Number

- K3034-4 Black
- K4181-4 Foose Imposter™
- K4412-4 White Tail Camo™
- K4034-4 Code Red®
- K3616-4 Born To Weld™
- K4671-4 Medieval™
- K4158-4 Zombie™
- K3175-4 All American®
- K3248-4 Twisted Metal®
- K4440-4 Hot Rodders™
- K5134-4 Creative Spark™
- K5133-4 Foose Monarch™
- K3683-4 Daredevil™
- K3039-4 Terracuda®
- K3100-4 Motorhead®
- K3101-4 Mojo®
- K3428-4 Steampunk™
- K3255-4 Polar Arc®

#### Literature

E14.502

Product Name	Lens Switching Speed	Variable Shade/Control	Battery Replacement Type	Magnifying "Cheater" Capable Lens	Grind Mode Shade/Control	Light Sensitivity Control	Delay Control Dark to Light (seconds)	Arc Sensors	TIG Amp Rating	Cartridge/View Size in (mm)	Temp. Range °C (°F)	Net Wt oz (g)
<b>VIKING™ 3350</b>	1/25,000 seconds	5-13 / Internal	CR2450 Replaceable Battery (Qty. 1)	Yes	3.5/External	Continuous	0.1-1.0 Fully Adjustable	4	AC: > 2 Amp  DC: > 2 Amp	<b>Cartridge US:</b> 5.25 x 4.50 (133 x 114)  <b>View:</b> 3.74 x 3.34 (95 x 85)	<b>Operating:</b> -10 to +55 (14 to 131)  <b>Storage:</b> -20 to +70 (-4 to +158)	21 (595)

## VIKING™ 2x4C® Series

### For Pipeline and Pancake Helmets

- 4C® Lens Technology eliminates imperfections and color saturation to create a clear view of the base material, arc and puddle while reducing eye strain
- Variable shade 8-13 and fixed shade 9, 10 & 11 models
- 2 year warranty



Variable Shade 8-13



Fixed Shade 9



Fixed Shade 10



Fixed Shade 11

#### Order Number

- KP3775-1 Variable Shade 8-13
- KP3777-1 Fixed Shade 9
- KP3778-1 Fixed Shade 10
- KP3779-1 Fixed Shade 11

#### Literature

E14.510

Product Name	Lens Technology	Optical Clarity	Inactive Shade	Active Shade	Power Supply	Light Sensitivity Control	Lens Switching Speed: sec.	Arc Sensors	TIG Amp Rating	Cartridge/View Size in (mm)	Temp. Range °C (°F)	Warranty		
Variable Shade	4C® Lens Technology	1/1/1/2	3	Variable 8-13	Solar Cell w/2 CR 1025 Replaceable Batteries	Adjustable	1/10,000	2	> 5 amp	<b>Cartridge US:</b> 4.25 x 2.0 x 0.32 (108 x 501 x 8)  <b>View:</b> 3.63 x 1.38 (92 x 35)	<b>Operating:</b> -10 to +55 (14 to 131)  <b>Storage:</b> -20 to +70 (-4 to +158)	2 Years		
Fixed Shade 9				Fixed 9									Solar Cell	Fixed
Fixed Shade 10				Fixed 10										
Fixed Shade 11				Fixed 11										

## 2x4C® Series Premium Glass Passive Lenses

### For Pipeline and Pancake Helmets

- Lightweight and comfortable
- Designed to enhance the color and clarity of the actual weld
- Constructed from high-quality optical glass
- Provide superior performance and essential protection
- Shade range 9-11
- Compatible with most passive helmets that accept a 2 x 4.25 in. (5.08 x 10.8 cm) lens
- Meets ANSI Z87.1 & CSA Z94.3



#### Order Number

- KP5268-1 - Shade 9
- KP5268-2 - Shade 10
- KP5268-3 - Shade 11

## ArcSpecs™ Auto-Darkening Goggles / and Headcovering

### Unique Welding Helmet Alternative

- Exclusive 4C® Lens Technology
- Excellent for tight clearance environments like fabricating an automotive roll cage, pipeline or pressure vessel
- 5-13 shade range with grind mode for use in welding, plasma cutting and more
- Optional intelligent LED light module illuminates low light environments



#### Processes

- Stick
- TIG
- MIG
- FCAW
- Plasma Cutting
- Oxyfuel Cutting
- Grinding

#### Order Number

- K4643-1

#### Literature

E14.60

Product Name	Variable Shade/Control	Grind Mode	Sensitivity & Delay Control	Arc Sensors	TIG Amp	Viewing Area	Power Supply	Temperature Range	Warranty	Net Wt oz (g)
ArcSpecs™ Auto-Darkening Goggles	5-13 / External Buttons	Yes; External Button	10 Sensitivity Settings and 0.1 - 1.0 Delay Range	4	Rating > 2 Amps	7.29 sq. in. (47 sq. cm)	CR2450 Replaceable Battery	Operating: -10°C - +55°C (14°F - 131°F) Storage: -20°C - +70°C (-4°F - 158°F)	2 Years	11.8 (335)

## OMNISHield® XC and XCF PAPR

### Grinding, Brazing and Oxy-fuel Cutting

- Extended chin guard provides additional coverage for chin and neck
- Powered air purifying respirator filters out respirable dust and metal fume particles
- Multiple adjustment points and lightweight design for optimal fit, balance and function
- High density polycarbonate lens protects from high velocity impact and the anti-fog layer enhances visibility
- ANSI, CSA and NIOSH® Certified



**Processes:**

- Grinding
- Brazing
- Oxy-fuel Cutting

**Order Number**

- K5323-1 OMNISHield® XC PAPR w/Belt Mount
- K5323-2 OMNISHield® XC PAPR w/Back Pack Mount
- K5324-1 OMNISHield® XCF PAPR w/Belt Mount
- K5324-2 OMNISHield® XCF PAPR w/Back Pack

**Literature**

E14.509

Product Name	Product Number	Certification	Filter Type	Air Flows ipm (cfm)	Battery Life (hours)	Alarms	L x H x W in (mm)	Weight lbs (kg)
OMNISHield® XC PAPR w/ Belt Mount	K5323-1	NIOSH 42 CFR Part 84	High Efficiency Particulate Air Filter (HEPA)	LOW SPEED: 180+ (6+)	16 Hours (180 lpm)	Audible and Vibrate	29 - 52 (736 - 1321)	Blower 2.20 (0.99) (including battery, belt and filters)
OMNISHield® XC PAPR w/ Back Pack	K5323-2			HIGH SPEED: 210+ (7.4+)			12.6 x 17.7 x 14.6 (320 x 449 x 370.8)	
OMNISHield® XCF PAPR w/ Belt Mount	K5324-1			8 x 8.2 x 3 (203 x 208 x 76)				
OMNISHield® XCF PAPR w/ Back Pack	K5324-2							

## VIKING™ 3350 Powered Air Purifying Respirator (PAPR)

### Three Component High Efficiency Filter System

- 4C° Lens Technology
- Lightweight and comfortable
- Intelligent blower with LED display, audible & vibratory alerts, and automatic speed adjustments
- Excellent battery life provides a minimum of 8 hours and over 16 hours with the extended battery pack



**Processes**

- All

**Order Number**

• K3930-1

**Literature**

E14.744

Product Name	Certification	Classification	Filter Type	Air Flows ipm (cfm)	Battery Life (hours)	Alarms	Auto-Darkening Viewing Area in. (mm)	Optical Clarity	Variable Shade Range	Warranty
VIKING™ 3350 PAPR	NIOSH 42 CFR Part 84	Loose Fitting Powered Air Purifying Respirator	High Efficiency Particulate Air Filter (HEPA)	LOW SPEED: 180+ (6+) HIGH SPEED: 210+ (7.4+)	STANDARD: Up to 9 EXTENDED: Over 16	Audible and Vibrate	3.74 x 3.34 (95 x 85)	1/1/1	5 -13	BLOWER: 1 Year AUTO-DARKENING LENS: 2 Years

## VIKING™ 3350 XG Powered Air Purifying Respirator (PAPR)

### Three Component High Efficiency Filter System

- The VIKING™ 3350 XG PAPR features a smart blower system, a low profile external button to switch between weld / grind mode and an extra large 12.5 sq. inch (31.8 sq. cm) auto-darkening lens with our exclusive 4C® Lens Technology
- Excellent battery life provides a minimum of 8 hours and over 16 hours with the extended battery pack



**Processes**

- All

**Order Number**

- K3930-4 Standard Battery
- K3930-6 Extended Battery

**Literature**

E14.747

Product Name	Certification	Classification	Filter Type	Air Flows ipm (cfm)	Battery Life (hours)	Alarms	Auto-Darkening Viewing Area in. (mm)	Optical Clarity	Variable Shade Range	Warranty
VIKING™ 3350 XG PAPR	NIOSH 42 CFR Part 84	Loose Fitting Powered Air Purifying Respirator	High Efficiency Particulate Air Filter (HEPA)	LOW SPEED: 180+ (6+) HIGH SPEED: 210+ (7.4+)	STANDARD: Up to 9 EXTENDED: Over 16	Audible and Vibrate	3.74 x 3.34 (95 x 85)	1/1/1	5 -13	BLOWER: 1 Year AUTO-DARKENING LENS: 2 Years

## VIKING™ 3250D FGS® Powered Air Purifying Respirator (PAPR)

### Optics, Field of View & Respiratory Protection

- 4C® Lens Technology
- Integrated "Flip-Up" grind shield expands field of view to increase productivity and enhance safety
- Intelligent blower with LED display, audible and vibratory alerts, and automatic speed adjustments
- Excellent battery life provides a minimum of 8 hours and over 16 hours with the extended battery pack



**Processes**

- All

**Order Number**

- K4550-1 Standard Battery
- K4550-3 Extended Battery
- K4550-4 Hard Hat w/ Standard Battery
- K4550-6 Hard Hat w/ Extended Battery

**Literature**

E14.749

E14.746

Product Name	Certification	Classification	Filter Type	Air Flows ipm (cfm)	Battery Life (hours)	Alarms	Auto-Darkening Viewing Area in. (mm)	Optical Clarity	Variable Shade Range	Warranty
VIKING™ 3250D FGS® PAPR	NIOSH 42 CFR Part 84	Loose Fitting Powered Air Purifying Respirator	High Efficiency Particulate Air Filter (HEPA)	LOW SPEED: 180+ (6+) HIGH SPEED: 210+ (7.4+)	STANDARD: Up to 9 EXTENDED: Over 16	Audible and Vibrate	2.95 x 4.25 (75 x 108)	1/1/1	5 -13	BLOWER: 1 Year AUTO-DARKENING LENS: 3 Years



## XLR™ P100 Half Mask Respirators

### Low Profile, Long Filter Life

- Low profile design fits underneath most helmets or face shields
- Proective nylon cartridge shield filter from spatter
- Innovative filter design increases longevity
- NIOSH approved



#### Processes

- All

#### Order Number

- K4683-S
- K4683-M
- K4683-L
- KP4684-2 Replacement Filter
- KP4684-20 Replacement Filter 10-Pairs
- KP4684-200 Replacement Filter 100-Pair

#### Literature

- E14.750

Respirator Approval	Classification	Assigned Protection Factor	Air-Purifying Type	Filter Class	Oil Resistance	Replaceable Filters	Number of Filters	Fit Test	Mask Sizes Offered
NIOSH 42 CFR 84	Elastomeric Half Mask	10 APF	Particulate Filtering	P100	Strongly Resistant to Oil	Yes	2	Mandatory Prior to Use	Small, Medium and Large

## Men's Standard Welding Gear Ready-Pak®

### Best Suited for Beginners, Hobbyists, and Introductory Education Courses

- VIKING™ 1740 Series auto darkening welding helmet provides superior 4C® Optics and comfort with 6.3 sq. in. (16 sq. cm) viewing area
- Flame retardant cotton jacket provides lightweight, comfortable upper body protection
- Traditional leather gloves offer versatile protection for welding and fabrication
- Includes essential tools for Stick, MIG and Flux-Cored welding processes



#### Order Number

- K4416-M
- K4416-L
- K4416-XL
- K4416-2XL
- K4416-3XL
- K3096-1 Replacement Industrial Duffel Bag

#### Literature

- E14.002

## Women's Standard Welding Gear Ready-Pak®

### Best Suited for Beginners, Hobbyists, and Introductory Education Courses

- VIKING™ 1740 Series auto darkening welding helmet provides superior 4C® Optics and comfort with 6.3 sq. in. (16 sq. cm) viewing area
- Flame retardant cotton jacket provides lightweight, comfortable upper body protection
- Women's sized leather gloves designed for optimal performance and comfort in Stick, MIG and TIG applications
- Includes essential tools for Stick, MIG and Flux-Cored welding processes



#### Order Number

- K4416-W-XS
- K4416-W-S
- K4416-W-M
- K4416-W-L
- K4416-W-XL

#### Literature

- E14.002

## Men's Intermediate Education Welding Gear Ready-Pak®

Best Suited for Career and Technical Education Programs, High Schools, Hobbyists and Professionals

- VIKING™ 1840 Series auto darkening welding helmet provides superior 4C® Optics and comfort with 7 sq. in. (17.8 sq. cm) viewing area
- Leather sleeved welding jacket provides enhanced upper body protection and improved durability
- Professional face shield provides full face impact protection for grinding applications
- Welders backpack improves storage organization, capacity and comfort
- Complete tool set for setup, welding and inspection



**Order Number**

- K4595-M
- K4595-L
- K4595-XL
- K4595-2XL
- K4595-3XL

**Literature**

E14.002

## Women's Intermediate Education Welding Gear Ready-Pak®

Best Suited for Career and Technical Education Programs, High Schools, Hobbyists and Professionals

- VIKING™ 1840 Series auto darkening welding helmet provides superior 4C® Optics and comfort with 7 sq. in. (17.8 sq. cm) viewing area
- Leather sleeved welding jacket provides enhanced upper body protection and improved durability
- Women's sized welding gloves designed for optimal performance and comfort in Stick, MIG and TIG applications
- Welders backpack improves storage organization, capacity and comfort
- Complete tool set for setup, welding and inspection



**Order Number**

- K4595-W-XS
- K4595-W-S
- K4595-W-M
- K4595-W-L
- K4595-W-XL

**Literature**

E14.002

## Men's Advanced Welding Gear Ready-Pak®

Best Suited for Professionals, Complete Hobbyists, Career and Technical Education Programs

- VIKING™ 3350 Series auto darkening welding helmet provides superior 4C® Optics and comfort with 7 sq. in. (17.8 sq. cm) viewing area. 5-year hassle-free warranty
- Leather sleeved welding jacket provides enhanced upper body protection and improved durability
- Complete set of welding gloves designed for optimal performance and comfort in Stick, MIG and TIG applications
- Industrial duffel bag has a 50+ lb. carrying capacity for storage of all PPE and tools



**Order Number**

- K3699-M
- K3699-L
- K3699-XL
- K3699-2XL
- K3699-3XL

**Literature**

E14.002

## Women's Advanced Welding Gear Ready-Pak®

Best Suited for Professionals, Complete Hobbyists, Career and Technical Education Programs

- VIKING™ 3350 Series auto darkening welding helmet provides superior 4C® Optics and comfort with 7 sq. in. (17.8 sq. cm) viewing area. 5-year hassle-free warranty
- Women's sized leather sleeved welding jacket provides enhanced upper body protection and improved durability
- Women's sized welding gloves designed for optimal performance and comfort in Stick, MIG and TIG applications
- Industrial duffel bag has a 50+ lb carrying capacity for storage of all PPE and tools



**Order Number**  
 K3699-W-XS  
 K3699-W-S  
 K3699-W-M  
 K3699-W-L  
 K3699-W-XL

**Literature**  
 E14.002

## Premium Welding Gear Ready-Pak®

Best Suited for Professionals, Complete Hobbyists, Career and Technical Education Programs

- VIKING™ 3350 ADV Series auto darkening welding helmet, our top-of-line helmet providing superior 4C® Optics, comfort and control with 7 sq. in. (17.8 sq. cm) viewing area. 5-year hassle-free warranty
- Premium leather sleeved welding jacket and arc rated long sleeve shirt provides enhanced upper body protection, increased comfort/fit and improved durability
- Complete set of welding gloves designed for optimal performance and comfort in Stick, MIG and TIG applications
- Industrial duffel bag has a 50+ lb. carrying capacity for storage of all PPE & tools



**Order Number**  
 K3715-M  
 K3715-L  
 K3715-XL  
 K3715-2XL  
 K3715-3XL

**Literature**  
 E14.002

## Industrial Duffel Bag

Performance, Durability and Versatility

- Tough 1680 Denier® fabric resists wear and abrasion
- Large 24 x 12 x 12 in. (61 x 30.5 x 30.5 cm) dimensions for carrying capacity of over 50 lbs. (22.7 kg)
- 3 exterior pockets for segmented storage



**Order Number**  
 K3096-1

## Compact Industrial Tool Bag

### Convenient and Space Saving

- One large zipper compartment
- Large opening for easy storage and access
- Features breathable, heavy-duty construction



**Order Number**  
K4774-1

## Welder's 2-in-1 Large Duffelpack

### Passion Meets Lifestyle

- Large capacity for hauling lots of welding gear hands-free
- Attachable padded shoulder strap converts it to a duffel bag
- Constructed from tough military grade 1680 Denier® nylon
- 14 D x 24 L x 12.25 in. (35.6 x 61 x 31.1 cm) with 50 lb. (22.7 kg) weight rating



**Order Number**  
K4799-1

## Welders All-In-One Backpack

### From the Classroom to the Worksite

- Military grade exterior 1680 Denier® fabric resists wear and abrasion
- Adjustable helmet mesh for streamlined storage of your welding helmet
- Large front load compartment with multiple pockets
- Secondary rear compartment for laptop/ipad and general storage



**Order Number**  
K3740-1

**Literature**  
E14.33

## Mossy Oak® Country DNA™ Welders All-In-One Backpack

### Passion Meets Lifestyle

- Military-grade exterior with capacity for 50 lbs. (22.7 kg) of gear
- Adjustable mesh for streamlined helmet storage
- Large compartment with multiple pockets for tools, PPE and consumable storage
- Secondary area for laptop, iPad and general storage



**Order Number**  
K5273-1

**Literature**  
MC22-75

## Roll Cage™ Welding Rigging Gloves

Impact Protection, Cut Resistant

- Silicone knuckles protect fingers and back of the hand from impact and injury
- Extended cuffs protect the wrists and forearms from heat and sparks
- Palm padding reinforces high wear areas



**Order Number**

- K3109-S
- K3109-M
- K3109-L
- K3109-XL
- K3109-2XL

**Primary Processes:**

- MIG, Flux-Cored

**Amperage Range:** 50A - 400A

**Literature**

- E14.745

## Premium Leather MIG/Stick Welding Gloves

Crafted for Every-Day Duty

- Grain and split leather for comfort, dexterity, heat resistance and durability
- Leather palm reinforcements improve heat resistance and improve durability
- Flame retardant foam lining provides heat resistance



**Order Number**

- K2980-M
- K2980-L
- K2980-XL

**Primary Processes:**

- MIG, Flux-Cored

**Amperage Range:** 50A - 400A

**Literature**

- E14.745

## Premium 7 Series Stick/MIG Elkskin Welding Gloves

The Pipeliners' Standard

- Top grain pearl elkskin leather exterior
- Soft foam top hand cushion with unlined palm
- Designed to offer excellent dexterity, comfort and durability



**Order Number**

- K4787-M
- K4787-L
- K4787-XL

**Primary Processes:**

- Stick, Flux-Cored, Pulsed MIG

**Amperage Range:** 50A - 400A

**Literature**

- E14.745

## Premium 8 Series Stick/MIG Elkskin Welding Gloves

Comfortable Heavy Fab Protection

- Top grain gold elkskin exterior is naturally soft and flexible
- Multi-layer interior features a foam top hand liner and full knit cotton liner
- Designed to offer excellent heat resistance, comfort and durability



**Order Number**

- K4788-M
- K4788-L
- K4788-XL

**Primary Processes:**

- Stick, Flux-Cored, Pulsed MIG

**Amperage Range:** 50A - 600A

**Literature**

- E14.745



## Heavy Duty MIG/Stick Welding Gloves

Crafted for Every-Day Heavy Duty

- High quality leather provides excellent durability and abrasion protection
- Three layer design adds heat resistance, comfort and durability



**Order Number**

K4082-M  
K4082-L  
K4082-XL  
K5132-2XL

**Primary Processes:**

Stick, Flux-Cored

**Amperage Range:** 50A - 500A

**Literature**

E14.745

## Traditional MIG/Stick Leather Welding Gloves

Built to Protect, Built to Last

- One-size-fits-all
- Designed for comfort and durability
- Full leather outside construction protects from spatter, flames and sparks



**Order Number**

K2979-ALL

**Primary Processes:**

Stick, Flux-Cored

**Amperage Range:** 50A - 325A

**Literature**

E14.745

## DynaMIG™ Traditional MIG Welding Gloves

Balanced Protection, Heat Resistance & Comfort

- Premium top grain and split cowhide exterior provides dynamic protection for a variety of welding applications
- Soft fleece cotton inside liner provides balanced heat resistance and comfort
- Sewn with 3x Kevlar® thread for maximum seam strength



**Order Number**

K3805-M  
K3805-L  
K3805-XL  
K3805-2XL

**Primary Processes:**

MIG, Flux-Cored

**Amperage Range:** 1A - 300A

**Literature**

E14.745

## DynaMIG™ Heavy Duty MIG Welding Gloves

Great Protection, Heat Resistance & Comfort

- Premium top grain and split cowhide exterior provides dynamic protection for high to low amperage welding applications
- Unique multi-layer inside liner optimizes heat resistance and comfort
- Soft and padded fleece cotton liners, flexible grain leather palm, seamless index finger and moisture absorbent cuff liner



**Order Number**

K3806-M  
K3806-L  
K3806-XL  
K3806-2XL

**Primary Processes:**

MIG, Flux-Cored

**Amperage Range:** 50A - 400A

**Literature**

E14.745

## MX Series TIG Welding Gloves

### Premium Strength and Comfort

- Constructed of a suede back, a split leather cowhide gauntlet cuff, and a top grain leather cowhide thumb, forefinger, and palm
- Kevlar stitching throughout the entire glove improves robustness
- Unlined palm improves dexterity and provides maximum range of motion



#### Order Number

K5132-M  
K5132-L  
K5132-XL  
K5132-2XL

#### Primary Processes:

TIG, Pulsed TIG

**Amperage Range:** 1A - 250A

#### Literature

E14.745

## MX Series Premium A4 Cut Resistant MIG Gloves

### Premium Strength and Comfort

- Constructed of Durahide® leather, providing exceptional dexterity, breathability and durability
- Fluid repellent and resistant to abrasion and fire
- Elastic wristband improves fit and comfort



#### Order Number

K5131-M  
K5131-L  
K5131-XL

**Primary Processes:** MIG,  
Pulsed MIG

**Amperage Range:** 50A – 350A

#### Literature

E14.745

## Leather TIG Welding Gloves

### Precision Fit for Precision Welding

- Supple goat skin leather and split grain cowhide provide the form-fitting fit needed for TIG welding applications
- Heat-resistant gauntlet for wrist protection
- Weltded thumb provides extra durability



#### Order Number

K2981-M  
K2981-L  
K2981-XL

#### Primary Processes:

TIG, Pulsed TIG

#### Amperage Range:

1A - 225A

#### Literature

E14.745

## Premium Leather TIG Welding Gloves

### Superior Dexterity with Unique Protection Elements

- Constructed of white top grain goatskin and black split cowhide for ultimate dexterity and comfort
- Knit cotton top hand liner and unlined bottom hand for balanced protection and feel
- Unique seam design and keystone thumb enhances hand flexibility and control



#### Order Number

K2983-M  
K2983-L  
K2983-XL

**Primary Processes:** TIG,  
Pulsed TIG

**Amperage Range:** 1A - 300A

#### Literature

E14.745

## Heavy Duty Stick/MIG Welding Gloves

### Large, Left Hand Only

- Premium black and tan split cowhide
- FlameSoft™ three-layer hand design combines premium cowhide, flame-retardant foam and soft flame-retardant cotton
- Continuous welting and 5-ply Kevlar® stitching to increase longevity



**Order Number**  
K4082-M-LHO  
K4082-L-LHO  
K4082-XL-LHO

**Primary Processes:** Stick, Flux-Cored

**Amperage Range:** 50A – 500A

**Literature**  
E14.745

## Leather Drivers Gloves (Lined)

### General Protection for Material Handling and Low Amp Applications

- Top grain leather palm and split cowhide top hand for balanced protection & comfort
- Full knit cotton liner provides heat resistance and protection
- Keystone thumb design improves ergonomics and comfort



**Order Number**  
K3770-M  
K3770-L  
K3770-XL  
K3770-2XL

**Primary Processes:** TIG, Pulsed TIG

**Amperage Range:** 1A - 225A

**Literature**  
E14.745

## Traditional Leather Drivers Gloves (Unlined)

### General Protection for Material Handling and Low Amp Applications

- The glove measures 10 inches (25.4 cm) in length to improve clearance when used for material handling or with hand tools
- The unlined interior provides optimal touch, feel and dexterity



**Order Number**  
K3769-M  
K3769-L  
K3769-XL  
K3769-2XL

**Primary Processes:** Material Handling, Machine Operation

**Amperage Range:** 1A - 120A

**Literature**  
E14.745

## Cut Resistant A2 Drivers Gloves

### Kevlar® Cut Resistant Liner

- 100% internally lined with knit Kevlar® to provide ANSI A2 cut performance for material handling and welding
- The ergonomic keystone thumb design improves fit and enhances flexibility
- Integrated elastic wrist improves fit and prevents unwanted movement



**Order Number**  
K3771-M  
K3771-L  
K3771-XL  
K3771-2XL

**Primary Processes:** TIG, Material Handling, Machine Operation

**Amperage Range:** 1A - 250A

**Literature**  
E14.745

## Heat-Resistant Welding Gloves

### Be Cool, Be Comfortable

- Reflects 95% of radiant heat
- Made with multi-layered aluminized PFR Rayon to reflect heat and keep the welder cool
- Unlined palm for increased control and reduced fatigue



#### Order Number

K2982-L  
K2982-XL

#### Primary Processes: MIG

**Amperage Range:** 200A - 450A

#### Literature

E14.745

## Full Leather SteelWorker® Gloves

### Deliver Fit and Flexibility

- Designed for light welding or metalworking
- High quality split grain cowhide for excellent fit, feel and dexterity
- Light grain goatskin back allows glove to breathe
- Hook-and-loop wrist closure ensures a snug fit



#### Order Number

K2977-S  
K2977-M  
K2977-L  
K2977-XL  
K2977-2XL

#### Primary Processes: TIG, Pulsed TIG

**Amperage Range:** 1A - 250A

#### Literature

E14.745

## Aluminized Fiberglass Hand Shield

### Extra Protection

- Features two elastic straps which stretch over all Lincoln Electric welding gloves
- Recommended for high amperage semi-automatic welding applications
- Made of PFR Rayon, Fiberglass and Split leather
- Provides an additional layer of protection against heat, splatter and sparks



#### Order Number

K4697-1

## Traditional Split Leather-Sleeved Jacket

Minimum Weight, Maximum Durability

- Split cowhide sleeves resist spatter and wear and lightweight FR cloth keeps you cool
- Inside pocket and adjustable snap sleeves
- Good protection, economically priced



Order Number

- K3106-XXS
- K3106-XS
- K3106-S
- K3106-M
- K3106-L
- K3106-XL
- K3106-2XL
- K3106-3XL

## XVI Series Industrial Flame Retardant Welding Jackets

Superior Durability & Comfort

- Innovative design provides superior comfort and durability
- Cushioned neck and wrists alleviate common pressure points
- Premium grey 16 oz. flame-retardant material at high wear areas improves heat resistance and longevity



Order Number

- K4931-M
- K4931-L
- K4931-XL
- K4931-2XL
- K4931-3XL
- K4931-4XL
- K4931-5XL

## XVI Series Heavy-Duty, Flame Retardant Split Leather Welding Jackets

Protection & Comfort for Tough Jobs

- Leather and innovative flame retardant fabric increase heat, friction and spatter resistance
- Cushioned neck and silk lined sleeves enhance comfort
- Engineered materials and design offers superior jacket service life
- Side straps, collar and cuffs are adjustable for your custom fit



Order Number

- K4933-M
- K4933-L
- K4933-XL
- K4933-2XL
- K4933-3XL
- K4933-4XL
- K4933-5XL



## Shadow™ Grain Leather-Sleeved Jacket

Protection, Comfort and Freedom

- For MIG or stick welding
- Flip up collar and extra front panel flap provide full closure
- Spatter guard lining
- Quality craftsmanship



**Order Number**

K2987-M  
K2987-L  
K2987-XL  
K2987-XXL  
K2987-XXXL

## Shadow™ Split Leather-Sleeved Jacket

Quality, Durability, Protection, Comfort:  
The Ideal Jacket for MIG or Stick

- Split cowhide sleeves and cool flame retardant material on the chest
- Ideal for stick and MIG welding
- Flip up collar and a lined flap on the back close for extra protection
- Two horizontal hip pockets with secured flaps



**Order Number**

K2986-M  
K2986-L  
K2986-XL  
K2986-XXL  
K2986-XXXL  
K2986-5XL

## Heavy-Duty Leather Welding Jacket

Protection for the Tough Jobs

- Heavy-duty split cowhide leather chest and sleeves provide superior protection
- Flame retardant cloth back keeps you cool
- Ideal for heavy stick and MIG welding
- Flip up collar, extra front flap for full closure and spatter guard lining



**Order Number**

K2989-M  
K2989-L  
K2989-XL  
K2989-XXL  
K2989-XXXL

## Traditional Flame Retardant Cloth Jacket – Khaki

The Ideal Light Duty Welding Jacket

- Crafted from 100% flame-retardant cotton
- Provides maximum protection
- Adjustable dual snap sleeves and convenient inside pocket



**Order Number**

- K3117-XXS
- K3117-XS
- K3117-S
- K3317-M
- K3317-L
- K3317-XL
- K3317-2XL
- K3317-3XL

## Traditional Flame Retardant Cloth Jacket – Black

The Ideal Light Duty Welding Jacket

- Crafted from 100% flame-retardant material
- Provides maximum protection
- Adjustable dual snap sleeves and convenient inside pocket
- 30 in. (76.2 cm) length



**Order Number**

- K2985-M
- K2985-L
- K2985-XL
- K2985-XXL
- K2985-XXXL

## Bright Flame Retardant Cloth Welding Jacket - Safety Orange

For Prominent Operator Visibility

- Adjustable snap wrists and large inside pocket
- Premium 9 oz. (255 g) flame retardant fabric
- Lightweight and breathable keeps you cool and allows excellent arm mobility



**Order Number**

- K4688-M
- K4688-L
- K4688-XL
- K4688-2XL
- K4688-3XL

## Bright Flame Retardant Cloth Welding Jacket - Safety Lime

For Prominent Operator Visibility

- Adjustable snap wrists and large inside pocket
- Premium 9 oz. (255 g) flame retardant fabric
- Lightweight and breathable keeps you cool and allows excellent arm mobility



**Order Number**

- K4689-M
- K4689-L
- K4689-XL
- K4689-2XL
- K4689-3XL

## Bright Flame Retardant Orange Jacket With Leather Sleeves

Safety and Comfort in a Single Jacket

- Premium 9 oz. (255 g) flame retardant fabric
- Black split leather sleeves for durability and protection
- Adjustable chrome plate snap cuffs
- Large inside pocket for protected storage
- Safety orange for prominent operator visibility



**Order Number**

- K4690-M
- K4690-L
- K4690-XL
- K4690-2XL
- K4690-3XL

## High Visibility Flame Retardant Orange Jacket With Reflective Stripes

Ideal for Jobsites with Moving Vehicles & Machinery

- Premium 9 oz. (255 g) flame retardant fabric
- Kevlar® sewn silver reflective tape for multi-faceted visibility
- Back panel slot for fall protection harnesses
- Adjustable snap wrists and large inside pocket



**Order Number**

- K4692-M
- K4692-L
- K4692-XL
- K4692-2XL
- K4692-3XL

## Flame Retardant Welding Shirt – Khaki

Safety and Comfort in a Single Shirt

- Ideal for light-duty welding
- Durable enough for daily use
- Adjustable dual-snap sleeves
- Features a single pocket with flap and pencil holder



**Order Number**

- K3382-M
- K3382-L
- K3382-XL
- K3382-2XL

## Flame Retardant Welding Shirt – Black

Safety and Comfort in a Single Shirt

- Ideal for light-duty welding
- Durable enough for daily use
- Adjustable dual-snap sleeves
- Features two chest pockets with flaps and a pencil holder slot



**Order Number**

- K3113-M
- K3113-L
- K3113-XL
- K3113-2XL
- K3113-3XL

## Arc Rated Flame Retardant Welding Sweatshirt

Protection, Warmth and Comfort

- Provides insulation for cold environments
- Industrial material protects against UV radiation
- Cotton fleece doesn't restrict motion and is lighter weight than leather
- Machine washable



**Order Number**

K5253-M  
K5253-L  
K5253-XL  
K5253-2XL

## Arc Rated T-Shirt

Comfortable Protection

- Inherent flame-resistant fabric is durable, soft and lightweight
- Category 2 arc-rated material with an Arc Rating (ATPV) of 13 cal/cm<sup>2</sup>
- NFPA 70E and NFPA 2112 Certified
- This shirt can be washed 100+ times and still maintains it's flame retardant properties allowing long service life
- Usage recommendations: Primary - MIG and TIG; Secondary - Pulsed-MIG



**Order Number**

K5267-M  
K5267-L  
K5267-XL  
K5267-2XL  
K5267-3XL

## Flame Retardant Welding Lab Coat

All-Purpose Protection

- 9 oz. (255 g) flame retardant material
- Knee length offers extended protection for light-duty welding
- Ideal for instructors, supervisors and occasional welders



**Order Number**

K3112-M  
K3112-L  
K3112-XL

## Split-Leather Welding Apron

Provides an Extra Layer of Protection

- Heavy-duty split cowhide construction
- Harness system adjusts to any size and weight
- Great addition for any welding jacket or shirt



**Order Number**

K3110-ALL

## Split-Leather Flame Retardant Welding Sleeves

Stay Protected, Stay Cool

- Durable, flame-retardant material adds spatter and heat resistance
- Split leather panels in high wear areas
- Elastic cuffs keep spatter out and hold the 21 in. (53.3 cm) sleeves in position



**Order Number**

K3111-ALL

## Traditional Flame-Retardant Cotton Welding Sleeves

Stay Cool and Protected

- Sleeves feature a 9 oz. (255 g) flame retardant material that prevents and extinguishes fire
- Elastic cuffs keep spatter out and hold the sleeves in position for superior comfort
- Can be washed up to 50 times and still maintains flame-retardant properties



Order Number  
K4827-ALL

## Premium Flame Retardant Welding Sleeves with Knit Liner

Superior Comfort & Heat Resistance

- Premium 9 oz. (255 g) flame retardant cotton exterior with ergonomic elbow
- Knit flame retardant liner improves heat resistance and comfort
- Elastic cuff closure offers dynamic fit and protection



Order Number  
K4828-ALL

## Helmet Extended Headcover w/ Press Fit Seal

Superior Comfort & Heat Resistance

- Flame retardant cotton
- Innovative press fit silicone seal attaches to the welding helmet for extended head and neck coverage
- Kevlar stitched seams with hemmed edge to prevent rips or tears



Order Number  
KP4789-1

## Leather Helmet with Press Fit Seal

Protect Your Neck From Flash, Spatter & Sparks

- Innovative press fit silicone seal easily attaches to the welding helmet edge for full frontal neck coverage
- Unique bib shape provides neck coverage without blocking field of view



Order Number  
KP3729-1 Split Leather  
KP3730-1 Grain Leather



## Welding FR Bandanas

Do the Lincoln Electric Rag

- 100% flame retardant material
- Mesh lining for fast sweat evaporation
- Machine washable



**Order Number**

- K2993-ALL
- K4824-ALL

## Graphic Cotton Bandanas

Standout from the Crowd

- 100% cotton
- Mesh lining for fast sweat evaporation
- Machine washable



**Order Number**

- K3204-ALL
- K4825-ALL

## Welding Caps

All Day Comfort

- 100% flame retardant cotton
- Cushioned insert provides comfort and absorbs sweat
- Flat-stitched seams for superior comfort
- Machine washable



**Order Number**

- K3203-ALL
- K4818-L
- K4818-XL
- K4819-L
- K4819-XL
- K4820-L
- K4820-XL
- K4821-L
- K4821-XL

## FR Welding Beanies

Top Off with Lincoln Electric

- Machine washable
- Flame-retardant
- Available in multiple sizes. Contours to the shape of the head and allows two-way airflow



**Order Number**

- K2994-L
- K2994-XL
- K4822-L
- K4822-XL
- K4823-L
- K4823-XL

## OMNISHield™ Professional Face Shields

### Premium Protection and Comfort

- Premium impact resistant polycarbonate lens is 90% thicker than a traditional face shield (0.077 in. vs 0.040 in.) for enhanced protection
- Air cushioned, adjustable headgear provides optimal comfort, fit and function for numerous operators and applications
- Available in clear, coated and shaded lens styles and compatible with most hard hat styles (adapter sold separately)



#### Order Number

- K3750-1 Standard Clear
- K3751-1 Anti-Fog Clear
- K3752-1 Dual Coated Clear
- K3753-1 Shade 3 IR
- K3754-1 Shade 5 IR

#### Literature

E14.509

## OMNISHield™ Flip-Up Shaded Lens, Shade 5 UV/IR

- Premium impact-resistant polycarbonate lens
- 90% thicker than traditional face shields
- Convenient flip-up infrared lens switches between clear and shaded in seconds
- Multi-axis cushions eliminate pressure points



#### Order Number

- K4969-1
- KP4975-1 OMNISHield™ Flip-Up Replacement Lens, Shade 8

## OmniShield™ XC Face Shield w/Protective Chin Guard

### Modern Answer to Impact Protection

- The high-density contoured lens is 90% thicker than traditional face shields
- Multi-axis headgear enhances comfort and fit
- Compatible with most hard hats, safety glasses, goggles and breathing masks
- Lightweight, ergonomic design offers all day comfort



#### Order Number

K3752-2

## Face Shield

### Full Frontal Protection

- Large, impact-resistant shield wraps around entire face
- Ideal for grinding, polishing, deburring and other operations



#### Meets Requirements

- ANSI Z87.1
- CSA Z94.3

#### Order Number

- K3120-1
- KP3164-1 (Lens only)

## Lincoln Electric Hand Shield

### Shielding Your Vision

- Shade 9 lens
- Viewing area is 2 x 4.25 in. (5 x 10.8 cm)
- Compact, hand-held design



**Order Number**  
K1878-1

## Padded Safety Glasses

### Padded Safety Glasses are Easy on the Eyes

- Comfortable, non-slip strap
- 360° foam liner keeps dust out and enhances comfort
- For long hours of comfort



**Meets Requirements**

- ANSI Z87.1
- CSA Z94.3

**Order Number**  
K3119-1

## Shade 5 Cutting and Grinding Goggles - Wide

### Premium Full Coverage

- For plasma and oxyfuel cutting operations
- 100% surface seal keeps sparks, spatter, particles, sand, dirt and heat away from your eyes



**Meets Requirements**

- ANSI Z87.1

**Order Number**  
K3118-1

## Shade 5 Compact Cutting and Grinding Goggles

### Safeguard with Shades

- For grinding and plasma and oxyfuel cutting operations
- 100% surface seal keeps sparks, spatter, particles, sand, dirt and heat away from your eyes
- Green IR5 polycarbonate lens features an anti-fog and anti-scratch coating



**Meets Requirements**

- CSA Z94.3
- ANSI Z87.1+

**Order Number**  
K4708-1

## Shade 3 Cutting and Grinding Goggles

### Shades of Protection

- For chipping, grinding and machining operations
- 100% surface seal keeps sparks, spatter, particles, sand, dirt and heat away from your eyes



#### Meets Requirements

- ANSI Z87.1
- CSA Z94.3

#### Order Number

K3118-2

## Finish Line™ Clear Safety Glasses

### Safe, Sleek and Stylish

- Flexible nosepiece and adjustable temple tips for added comfort
- Special anti-fog coating reduces lens fogging
- Blocks 99.9% of UV-A,B, & C Radiation



#### Meets Requirements

- ANSI Z87.1+
- CSA Z94.3

#### Order Number

K2966-1

## Women's Starlite® Clear Safety Glasses

### Safe, Sleek and Stylish

- Sized 10% smaller than our similar models
- Lightweight and comfortable for all-day wear
- Anti-fog and anti-scratch coating



#### Meets Requirements

- ANSI Z87.1+
- CSA Z94.3

#### Order Number

K3250-S  
K3250-M

## Lincoln Starlite® Clear Safety Glasses

### Layers of Protection

- Lightweight makes these models easy to wear
- Special anti-fog coating reduces lens fogging
- Blocks 99.9% of UV-A,B, & C Radiation



#### Meets Requirements

- ANSI Z87.1+
- CSA Z94.3

#### Order Number

K2965-1

## Traditional Lincoln® Clear Safety Glasses

### Traditional Safety Glasses

- Frameless clear lens
- Lightweight for all-day wear
- Inexpensive and ideal for student, team or bulk purchases



#### Meets Requirements

- ANSI Z87.1+

#### Order Number

K3104-1

## Lincoln Cover 2® Clear Safety Glasses

### Protect Your Eyes and Your Glasses

- Worn over your own prescription glasses
- Ratcheting adjustable-length temples
- Integrated brow guard and side shields offer added impact protection
- Blocks 99.9% of UV-A, B, & C Radiation



**Meets Requirements**

- ANSI Z87.1+
- CSA Z94.3

**Order Number**

K2968-1

## Bifocal Clear Safety Glasses

### See Safety More Clearly

- Full eye coverage
- Slip resistant temples
- Provides the extra help when reading or viewing close work



**Meets Requirements**

- ANSI Z87.1

**Order Number**

- K3117-100 1.0 Diopter
- K3117-150 1.5 Diopter
- K3117-200 2.0 Diopter
- K3117-250 2.5 Diopter

## Finish Line™ Outdoor Safety Glasses

### Keep Your Eye on the Finish Line

- Red mirror lens provides protection from sun light outdoors
- Flexible nosepiece and adjustable temple tips for added comfort
- Special anti-fog coating reduces lens fogging
- Blocks 99.9% of UV-A, B, & C Radiation



**Meets Requirements**

- ANSI Z87.1+
- CSA Z94.3

**Order Number**

K2970-1

## Lincoln® Starlite® Outdoor Safety Glasses

### Safely Shielding the Sun

- Silver mirror coating added to the lens for protection from the sun
- Frameless lens provides a wide field of vision
- Blocks 99.9% of UV-A, B, & C Radiation



**Meets Requirements**

- ANSI Z87.1+
- CSA Z94.3

**Order Number**

K2969-1

## Lincoln® Red Outdoor Safety Glasses

### Sturdy Stylish Protection

- Durable impact protection
- Flexible nosepiece and temple tips add comfort
- Silver mirror lens
- Blocks 99.9% of UV-A, B, & C Radiation



**Meets Requirements**

- ANSI Z87.1+
- CSA Z94.3

**Order Number**

K2972-1



## Lincoln® Black Outdoor Safety Glasses

### Sturdy Protection

- Durable impact protection
- Flexible nosepiece and temple tips add comfort
- Red mirror lens
- Blocks 99.9% of UV-A, B, & C Radiation



#### Meets Requirements

- ANSI Z87.1+
- CSA Z94.3

#### Order Number

K2971-1

## Lincoln® Starlite® IR 5 Safety Glasses

### Infra-Red Shielding

- Shade 5 infra-red protection intended for cutting and grinding
- Unitary frameless style provides a wide field of vision
- Blocks 99.9% of UV-A, B, & C Radiation



#### Meets Requirements

- ANSI Z87.1+
- CSA Z94.3

#### Order Number

K2967-1

## Axilite™ Clear Safety Glasses

### Keep Things Clear & Lightweight

- Ultra lightweight design weighs just 19.3 grams (0.7 oz.)
- Dual anti-fog and anti-scratch lenses
- Blocks 99.9% of UV-A, B, & C Radiation



#### Meets Requirements

- ANSI Z87.1+
- CSA Z94.3

#### Order Number

K4673-1

## Axilite™ Amber Safety Glasses

### Comfortable Protection for Dark Work Spaces

- Amber lens is ideal for low-light environments to increase brightness, contrast and depth perception
- Ultra lightweight design weighs just 19.3 grams (0.7 oz.)
- Blocks 99.9% of UV-A, B, & C Radiation



#### Meets Requirements

- ANSI Z87.1+
- CSA Z94.3

#### Order Number

K4674-1

## Axilite™ Light Blue Safety Glasses

### Keep Things Clear & Lightweight

- Soft blue polycarbonate lens reduces glare, eye strain and yellow tint
- Ultra lightweight design weighs just 19.3 grams (0.7 oz.)
- Blocks 99.9% of UV-A, B, & C Radiation



#### Meets Requirements

- ANSI Z87.1+
- CSA Z94.3

#### Order Number

K4675-1

## Axilux™ USA Camo Clear Safety Glasses

Look Good with Popular Graphic Frames

- Modern ergonomic design provides excellent comfort, protection and durability
- Dual anti-fog and anti-scratch lenses
- Soft rubber nosepiece. Temple frame distributes weight, reduces pressure and increases grip



**Meets Requirements**

- ANSI Z87.1+
- CSA Z94.3

**Order Number**

K4676-1

## Axilux™ Traditional Camo Bronze Mirror Safety Glasses

Look Good with Popular Graphic Frames

- Modern ergonomic design provides excellent comfort, protection and durability
- Dual anti-fog and anti-scratch lenses
- Bronze mirror lens reduce glare, eye strain and improve contrast



**Meets Requirements**

- ANSI Z87.1+
- CSA Z94.3

**Order Number**

K4677-1

## Lincoln® 360 Foam Padded Clear Safety Glasses

For Jobs with Heavy Dust and Debris

- Soft foam seal eliminates the standard lens to face air gap
- Dual anti-fog and anti-scratch lenses
- Adjustable elastic headband keeps glasses in place for dependable protection
- Blocks 99.9% of UV-A, B & C Radiation



**Meets Requirements**

- ANSI Z87.1+
- CSA Z94.3

**Order Number**

K4707-1

## Women's Shadow™ Flame Retardant Welding Jacket w/Leather Sleeves

A Jacket Designed with Women in Mind

- Split cowhide sleeves with cooling flame retardant cloth front and back
- Flip up collar, adjustable snap sleeves and snap cinch waist
- Two horizontal flap pockets
- Ideal for MIG or stick welding



Order Number  
 K3114-XS  
 K3114-S  
 K3114-M  
 K3114-L  
 K3114-XL

## Women's Traditional Split Leather Sleeved Flame Retardant Jacket

- Constructed of heavyweight black split leather for great protection with a two piece inner bicep to improve arm mobility
- Premium flame-retardant body to prevent and extinguish fire while allowing free flowing movement
- Seams of the jacket are sewn with multi-layer patterns to prevent rips and tears



Order Number  
 K3106-XXS  
 K3106-XS  
 K3106-S

## Women's Traditional Flame Retardant Cloth Jacket - Khaki

Lightweight and Strong

- Premium 9 oz. flame-retardant cotton jacket prevents and extinguishes fire while allowing airflow for superior comfort
- Jacket seams are sewn with multi-layer patterns to prevent rips and tears, increasing durability
- Can be washed up to 50 times and still maintains flame-retardant properties



Order Number  
 K3317-XXS  
 K3317-XS  
 K3317-S

## Women's DynaMIG HD MIG Welding Gloves

Balanced Protection, Heat Resistance & Comfort

- Grain and Split Leather - Split leather top hand resists heat and abrasion; Grain leather palm improves dexterity & comfort
- Unique heat-resistant liner features 3-layer cotton and foam liner plus an additional 2-layer cotton liner
- Moisture absorbent twill cuff for all day comfort



Order Number  
 K5472-XS  
 K5472-S  
 K5472-M  
 K5472-L

## Women's MIG/Stick Welding Gloves

### Not Your Brother's Welding Gloves

- Designed and sized for women's hands
- Durable split cowhide and cotton lining provides heat resistance and comfort
- Long-lasting work life



- **Order Number**
- K3232-S
- K3232-M
- **Primary Processes:**
- Stick, Flux-Cored
- **Recommended Amperage:**
- 50A - 325A
- **Literature:**
- E14.745

## Women's Full Leather SteelWorker® Gloves

### For Her: A Glove for the Multi-Tasker

- Sized for women's hands
- Top grain cowhide ensures durability and maximizes dexterity
- For fabrication or light welding
- All leather construction



- **Order Number**
- K3231-XS
- K3231-S
- K3231-M
- **Primary Processes:**
- TIG, Pulsed TIG
- **Amperage Range:**
- 1A - 200A
- **Literature:**
- E14.745

## Women's Starlite® Clear Safety Glasses

### Safe, Sleek and Stylish

- Sized 10% smaller than our similar models
- Light weight makes these models easy to wear
- Anti-fog and anti-scratch coating



- **Meets Requirements**
- ANSI Z87.1+
- CSA Z94.3
- **Order Number**
- K3250-S
- K3250-M

## Electric Hand Lifter

### Metalworking Angle and Lifting Device

- Intended for small steel part handling and removing parts from burn tables
- Easy 1/2 turn of the knob turns the magnet on or off for positioning, removal or tool cleaning
- Magnetic force is 60 lbs. (27.2 kg)
- Cordless; sets up in seconds



**Order Number**  
K3312-1

**Literature**  
E14.800

## Pivot Angle Magnetic Fixture

### Welding Made More Manageable

- Designed for repetitive work at uncommon angles
- Convenient single lock-on elbow handle makes it fast and easy to select an angle
- Magnetic force is 200 lbs. (90.7 kg)



**Order Number**  
K3310-1

**Literature**  
E14.800

## Multi Angle Fixture

### Mini Sized, Maximum Benefits

- Dual Function - a workholding angle tool and a quick connect/disconnect magnetic vise
- Sets up in seconds
- Magnet technology allows for complete on/off control and precise positioning
- Easy to position on flat or round stock
- Magnetic force is 400 lbs. (181.4 kg)



**Order Number**  
K3309-1

**Literature**  
E14.800

## Mini Multi Angle Fixture

### Tacking Welds Just Got Easier

- Secures material at multiple angles
- Designed for small steel parts
- Pipe notch for use on round stock
- No batteries or electricity required
- Magnetic force is 80 lbs. (36.3 kg)



**Order Number**  
K3318-1

**Literature**  
E14.800

## Manual Hand Lifter

### Get a Handle on Steel

- For small part lifting and sheet dragging
- Work faster and more efficiently with fewer injuries
- No batteries or electricity required
- Magnetic force: 60 lbs. (27.2 kg) hold on 3/16 in. (0.48 cm) thick steel or above



**Order Number**  
K3311-1

**Literature**  
E14.800



## Stainless Steel & Aluminum Welding

### 3 X 7 Row Stainless Steel Wire Brush

This handy toothbrush style brush is just right for light cleaning on stainless steel in confined or hard to reach areas

### 2 X 9 Row Stainless Steel Wire Brush

A slight curve in the handle improves grip. Ideal for general or light cleaning on stainless steel

### 3 X 19 Row Stainless Steel Wire Brush

This general purpose brush is intended for long life and efficient surface cleaning on stainless steel



#### Length, in. (mm)

- 7.5 (191) (3x7 Brush)
- 8.5 (216) (2x9 Brush)
- 13.75 (349) (3x19 Brush)

#### Order Number

- K3179-1 (3x7 Brush)
- K3180-1 (2x9 Brush)
- K3181-1 (3x19 Brush)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Alloy Welding

### 3 X 7 Row Brass Wire Brush for Aluminum

This compact toothbrush style can be used for light cleaning on aluminum in confined or hard to reach areas. Brass bristles are easy on aluminum surfaces

### 2 X 9 Row Brass Wire Brush for Aluminum

The slightly curved handle improves grip for general light cleaning on aluminum. Brass bristles gently remove oxide layer on aluminum



#### Length, in. (mm)

- 7.5 (191) (3x7 Brush)
- 8.5 (216) (2x9 Brush)

#### Order Number

- K3182-1 (3x7 Brush)
- K3183-1 (2x9 Brush)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Carbon Steel Welding

### 3 X 19 Row Carbon Steel Wire Brush

Select this popular tempered steel bristle pattern for efficient general cleaning on carbon steels

### 4 x 16 Row Carbon Steel Wire Brush

Tempered steel bristles make fast work of rust, mill scale and paint on carbon steels. Comfortable curved handle



#### Length, in. (mm)

- 13.75 (349) (3x19 Brush)
- 9.5 (241) (4x16 Brush)

#### Order Number

- K3184-1 (3x19 Brush)
- K3185-1 (4x16 Brush)

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Combination Packs

### Wire Brush Three Pack

This compact toothbrush style set is easy to stow in your bag and perfect for small projects. Includes brass bristle brush for aluminum, stainless bristle brush for stainless steel and a nylon bristle brush for general cleaning on carbon steel



#### Length, in. (mm)

- 7.5 (191)

#### Order Number

- K3189-1

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Chipping Hammer

### Tackle Dirt and Slag Head-On

- Shock reducing spiral handle with hook for easy hanging storage
- Hammer head includes spike and flat sides



#### Processes

- Stick
- Flux-Cored

#### Order Number

K4022-1

#### Literature

E14.742

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Chipping Hammer with Wire Brush

### Welders Combo Tool

- Increases productivity and simplifies post weld cleanup
- Spiral handle disperses shock and pressure for improved comfort
- Constructed of drop forged steel to increase strength, hardness and toughness



#### Order Number

K4021-1

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Radius® Welper®

### Multi-Use MIG Tool

- Eight functions in one tool: remove nozzle spatter (inside and out), cut wire, remove and install tips, pull wire, remove brushings and hammer
- Spring loaded for easy opening and closing
- Comfortable handle
- Chrome vanadium steel



#### Processes

- MIG
- Flux-Cored

#### Order Number

K4014-2

#### Literature

E14.740

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Radius® Welding Pliers

### Single Tool, Multiple Functions

- Six function traditional welding pliers used for nozzle and tip installation, wire cutting, nozzle cleaning, slag hammer and spatter removal
- Spring loaded for easy opening and closing
- Heat treated for durability



#### Processes

- MIG

#### Order Number

K4014-1

#### Literature

E14.741

**!** WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Industrial C-Clamp

### Material Setup, Prep and Fixturing

- Constructed of drop forged steel to increase strength, hardness and toughness
- Squeeze-lock plier jaws clamp to parts of various shapes & sizes



**Order Number**  
K3721-1

## Heavy Duty 600 Amp Ground/Work C-Clamp

### The Ultimate Quick Set-Up

- Clamps can be attached or moved quickly from one fixture to another without having to remove the ground device
- Features an ample contact area along with a large tightening screw to increase productivity
- Constructed from copper alloy to allow for use in multiple ground applications



**Order Number**  
K5153-1

**Literature:**  
E14.751

## Heavy Duty Tape Measure (25 Ft)

### Built for the Elements

- Brushed steel housing for increased durability and nylon thermal resistance
- Rubber overlay and automatic blade lock give you better comfort and productivity



**Order Number**  
K3722-1

## Weld Fillet Gauge – 7 Piece Set

### An Essential Welders Tool

- Measure concave or convex fillet welds ranging in 1/8 - 1 in. (3.2-25.4 mm) in size
- Stainless steel construction to improve durability and prevent rust
- Made in the USA



**Order Number**  
K3720-1

## Industrial Soap Stone Holder

### The Classic Marking Tool

- Lightweight, general purpose marking tool
- Will not contaminate weld deposits and is easily removable
- Convenient pocket clip on backside of holder



**Order Number**  
K3725-1  
KP3726-1  
(Replacement Soapstone)

**⚠️ WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Industrial Flint Striker

### Essential Fuel Cutting Tool

- Lightweight striker used for starting cutting fuels
- Rotating internal file increases durability



**Order Number**  
K3727-1  
KP3728-1  
(Replacement Flints)

## Industrial Tip Cleaner

### Lightweight and Compact

- Used for cleaning cutting, brazing and welding torch tips
- Contains sizes 6 to 26 and one file
- Lightweight, compact aluminum case for easy storage



**Order Number**  
K3724-1

## T300 Electrode Holder

### For DC Welder Only

- 300A Rating, 60% Duty Cycle, DC Current Only
- 5/32 in. (4.0 mm) diameter electrode and smaller
- Made in the USA



**Order Number**  
K909-6

## EH-305 Heavy Duty Electrode Holder

### Comfort, Quality & Consistency

- Insulated stick electrode holder designed for reliable performance and enhanced operator comfort
- For electrode diameters 1/8-1/4 in. (3.2-6.4 mm)
- Rated at 300 amps, 60% duty cycle or 400 amps, 35% duty cycle



**Order Number**  
K909-7

## EH-405 Heavy Duty Electrode Holder

### Comfort, Quality & Consistency

- Insulated stick electrode holder designed for reliable performance and enhanced operator comfort
- For electrode diameters 1/8-5/16 in. (3.2-7.9 mm)
- Rated at 400 amps, 60% duty cycle or 500 amps, 35% duty cycle



**Order Number**  
K909-8

**!** WARNING: Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Industrial Electrode Holders

### High Quality SMAW Accessory

- Designed to safely secure electrode to allow welding from a variety of positions.
- Copper alloy jaw strengthens hold on the electrode to optimize conductivity resulting in improved overall welding
- Lightweight, ergonomic insulated handle



#### Order Number

K5154-1 (200 Amp)  
K5155-1 (250 Amp)  
K5156-1 (300 Amp)  
K5157-1 (350 Amp)

#### Literature:

E14.751

## GC-300 Work Clamp 500A, 60% Duty Cycle

### Reliable Conductivity

- Easy operation. Just squeeze, slip jaws over the work and let go. No bolts or nuts to tighten
- Jaws open full 2-1/2 in. (63 mm). Welding cable lug bolts directly to the work clamp. Heavy spring tightly clamps jaws to work or table
- Rated 300 amps at 60% duty cycle



#### Order Number

K910-1

## GC-500 Work Clamp 500A, 60% Duty Cycle

### Reliable Conductivity

- Easy operation. Just squeeze, slip jaws over the work and let go. No bolts or nuts to tighten
- Jaws open full 2-1/2 in. (63 mm). Welding cable lug bolts directly to the work clamp. Heavy spring tightly clamps jaws to work or table
- Rated 500 amps at 60% duty cycle



#### Order Number

K910-2

## T-Series Brass Ground/Work Clamps

### For Welders of all Types

- Built with a high-quality copper plated brass material for good conductivity and long service life
- Features a large tightening screw to secure welding cable to the ground clamp
- Jaws open 0.9-1.25 in. (22.9 - 31.8 mm) - just squeeze - slip jaws over the work and let go. No bolts or nuts to tighten



#### Order Number

K5150-1 (200 Amp)  
K5151-1 (300 Amp)

#### Literature:

E14.751

## Flexible Cable Work Lead – 2 AWG w/300A Electrode Holder and Lug

### Reliable Connections

- Allows easy movement and positioning to improve quality and efficiency while reducing operator fatigue
- Industry standard orange EPDM rubber jacket designed to withstand harsh, high temperatures
- 25 ft. (7.6 m) cable length



#### Order Number

K4893-2-25 (25 ft)

#### Literature:

E14.751



## Flexible Cable Work Lead – 2 AWG w/200A Electrode Holder and Lug

### Reliable Connections

- With our flexible cable assembly, you can improve the quality and productivity of your weld process while ensuring safety
- Industry standard orange EPDM rubber jacket designed to withstand harsh, high temperature environments
- 12.5 ft. (3.8 m) cable length



**Order Number**  
K5436-2-12-1/2

**Literature:**  
E14.751

## Flexible Cable Work Lead – 2 AWG w/200A Electrode Holder and Twist Mate™

### Reliable Connections

- With our flexible cable assembly, you can improve the quality and productivity of your weld process while ensuring safety
- Industry standard orange EPDM rubber jacket designed to withstand harsh, high temperature environments
- 12.5 ft. (3.8 m) cable length



**Order Number**  
K5438-2-12-1/2

**Literature:**  
E14.751

## Flexible Cable Work Lead 2/0 w/Ground Clamp and Lug

### Reliable Connections

- Superior Performance - Allows for easy movement and positioning to help improve quality and efficiency, while reducing operator fatigue
- Durability - Industry standard orange EPDM rubber jacket designed to withstand harsh, high temperature environments
- Improved Safety - Rigorously tested to meet the required specifications and standards
- Voltage rating: 600



**Order Number**  
K5434-2/0-25 - 25 ft.  
K5434-2/0-50 - 50 ft.

## Flexible Cable Work Lead 2/0 w/Tweco® Male and Ground Clamp

### Reliable Connections

- Superior Performance - Allows for easy movement and positioning to help improve quality and efficiency, while reducing operator fatigue
- Durability - Industry standard orange EPDM rubber jacket designed to withstand harsh, high temperature environments
- Improved Safety - Rigorously tested to meet the required specifications and standards
- Voltage rating: 600



**Order Number**  
K5435-2/0-25 - 25 ft.  
K5435-2/0-50 - 50 ft.

## Welding Curtain, 6 x 6 ft. 550°C Rated

Bring the Curtain Down on Sparks and Spatter

- Intended to be hung vertically
- Rated for temperatures up to 1022°F (550°C)
- Protects workers from injury and parts and equipment from damage



**Meets Requirements**

- FM approved for ANSI/FM 4950

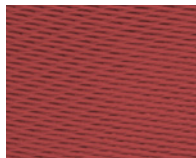
**Order Number**

K3252-1

## Welding Blanket, 6 x 6 ft. 550°C Rated

We've Got You Covered

- Fiberglass-based curtain is intended to be used horizontally
- Rated for temperatures up to 1022°F (550°C)
- Protects workers from injury and parts and equipment from damage
- Easy to position in any shop



**Meets Requirements**

- FM approved for ANSI/FM 4950

**Order Number**

K3253-1

## High Temperature Welding Blanket, 6 x 6 ft. 1100°C Rated

Keep the Heat Off

- Intended to be used horizontally
- Rated for temperatures up to 2012°F (1100°C)
- Protects workers from injury and parts and equipment from damage
- Easy to position in any shop



**Meets Requirements**

- FM approved for ANSI/FM 4950

**Order Number**

K3254-1

## HydroGuard® Rod Canister

Easy to Carry. Easy to Protect.

- Protect and carry 10 lb. (4.5 kg) of stick electrode up to 14 in. (355.6 mm) in length
- Rubber seal makes the container moisture-resistant



**Processes**

- Stick

**Order Number**

- K3166-1
- K3167-1 (strap)

## HydroGuard® Portable Electrode Oven

Outstanding Moisture Resistance on the Go

- Helps to protect stick electrodes from moisture pickup, a major contributor to weld cracking and porosity
- Transport a maximum of 10 lb. (4.5 kg) of up to 18 in. (457.2 mm) electrode
- Maintains electrodes at a constant 300°F (149°C) temperature
- Power-on light to visually confirm operation
- Rod Elevator - makes it easy to extract your stick electrode



**Processes**

- Stick

**Output**

Preset at 300°F (149°C)

**Input**



**Order Number**

- K2939-1 (115/120/1/50/60)
- K2939-2 (230/1/50/60)

**Literature**

E8.701 and E14.701

## HydroGuard® Portable 50 lb. (22.7 kg) Rod Oven

Outstanding Moisture Resistance

- Easily accessible controls on front panel
- Dual input for compatibility with power sources at 120 or 240 volts
- Adjustable thermostat can be set between 100 - 300° F (37.8 - 148.9° C)
- Durable wheels for easy portability through industrial environments



**Processes**

- Stick

**Output**

Preset at 300°F (149°C)

**Input**



**Order Number**

- K2939-1 (115/120/1/50/60)
- K2939-2 (230/1/50/60)

**Literature**

E8.701

## HydroGuard® Bench 350 lb. (158.8 kg) Rod Oven

Outstanding Moisture Resistance for Improved Weld Quality

- Circular Shape Directs Airflow
- Adjustable Thermostat
- Flexible Interior Configuration
- Variable Moisture Vent
- Handy Shelf
- Data Logger Capable



**Processes**

- Stick Electrode
- MIG Wire

**Output**

100-550°F (38-288°C)

**Input**



**Order Number**

- K2942-1 (115/120)
- K2942-2 (240/480V)
- K3148-1 (Thermometer Kit)

**Literature**

E8.701 and E14.702

NOTE » Date Logger Capable

## RP6™ Weldable Rust Preventative Fluid

### Rust Prevention of Ferrous Metals

- Provides indoor corrosion protection for up to 6 months
- Will not adversely affect the welding process
- The fluid can be applied by spray, dip or brush

 WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



#### Base Material

- Ferrous

#### Application

- Brush
- Spray
- Dip

#### Order Number

- K4127-2 (5 Gallon Pail)
- K4127-1 (55 Gallon Drum)

#### Literature

- E14.901.1

## CarbonElite® Pointed Gouging Electrodes

### Premium Arc Gouging Carbons

- Versatile multi-purpose round gouging electrode (most popular type)
- First class metal removal rates
- Consistent melt off rate allows for uniform, smooth grooves



#### Order Number

- KP3800-1/8
- KP3800-5/32
- KP3800-3/16
- KP3800-1/4
- KP3800-5/16
- KP3800-3/8
- KP3800-1/2

#### Literature

- E14.600

## CarbonElite® Jointed Gouging Electrodes

### Premium Arc Gouging Carbons

- Round electrode with male & female ends to help eliminate stub loss
- First class metal removal rates
- Consistent melt off rate allows for uniform, smooth grooves



#### Order Number

- KP3803-1/2
- KP3803-5/8
- KP3803-3/4
- KP3803-3/8

#### Literature

- E14.600

## CarbonElite® Flat Gouging Electrodes

### Premium Arc Gouging Carbons

- Rectangle shape for close tolerance metal removal and/or to create rectangle grooves
- First class metal removal rates
- Consistent melt off rate allows for uniform, smooth grooves



#### Order Number

- KP3802-3/8
- KP3802-1/2

#### Literature

- E14.600

## CarbonElite® Hollow Gouging Electrodes

### Premium Arc Gouging Carbons

- Round electrode with hollow core allows for faster travel speed without sacrificing groove depth
- First class metal removal rates
- Consistent melt off rate allows for uniform, smooth grooves



#### Order Number

- KP3801-3/16
- KP3801-1/4
- KP3801-5/16
- KP3801-3/8

#### Literature

- E14.600





LINCOLN  
ELECTRIC

RED LINE  
WELDING APPAREL



## Specifications Chart » VIKING™ Powered Air Purifying Respirators (PAPR)

Specs	3350 PAPR	3350 XG PAPR	3250D FGS® PAPR
Size of Blower Assembly (W x T x D)	8 x 7.5 x 3 in (203 x 191 x 76 mm)	8 x 7.5 x 3 in (203 x 191 x 76 mm)	8 x 7.5 x 3 in (203 x 191 x 76 mm)
Weight of Blower (including battery, belt and filters)	2.20 lb (1.0 kg)	2.20 lb (1.0 kg)	2.20 lb (1.0 kg)
Air Flow	Low Speed: 180+ lpm (6+ cfm) High Speed: 210+ lpm (7.4+ cfm)	Low Speed: 180+ lpm (6+ cfm) High Speed: 210+ lpm (7.4+ cfm)	Low Speed: 180+ lpm (6+ cfm) High Speed: 210+ lpm (7.4+ cfm)
Operating Temperature	23° to 131°F (-5° to 55°C)	23° to 131° F (-5° to 55° C)	23° to 131° F (-5° to 55° C)
Battery Type	Lithium Ion (Rechargeable)	Lithium Ion (Rechargeable)	Lithium Ion (Rechargeable)
Battery Charge Time	Three hours	Three hours	Three hours
Battery Charges	500 charges	500 charges	500 charges
Belt Size <sup>(1)</sup>	29 to 52 in (736 to 1321 mm)	29 to 52 in (736 to 1321 mm)	29 to 52 in (736 to 1321 mm)
Respirator Approval <sup>(2)</sup>	NIOSH 42 cfr 84 Approved Powered Air-Purifying Respirator (PAPR)	NIOSH 42 cfr 84 Approved Powered Air-Purifying Respirator (PAPR)	NIOSH 42 cfr 84 Approved Powered Air-Purifying Respirator (PAPR)
Assigned Protection Factor <sup>(3)</sup>	25	25	25
Helmet Replacement Battery	CR 2450	CR 2450	CR 2450
Battery Life	8 Hours	9 Hours	8 Hours
Charge	115 Volt Input	115 Volt Input	115 Volt Input
Alarms	Audible and Vibrate	Audible and Vibrate	Audible and Vibrate
Head Gear	FR Flame Retardant	FR Flame Retardant	FR Flame Retardant
Optical Class	1/1/1/1 (per EN 379)	1/1/1/1 (per EN 379)	1/1/1/1 (per EN 379)
Lens Switching Speed (sec)	1/25,000	1/25,000	1/25,000
Variable Shade/Control	5-13 Internal	5-13 Internal	5-13 Internal
Magnifying "Cheater" Capable Lens	Yes	Yes	Yes
Grind Mode Shade/Control	3.5 Internal	3.5 External	4 Internal
Light Sensitivity Control	Continuous	Continuous	Digital Display Control
Delay Control Dark to Light (sec)	0.1 -1.0 Fully Adjustable	0.1 -1.0 Fully Adjustable	0.1 -1.0 Fully Adjustable
Arc Sensors	4	4	4
TIG AMP Rating	DC > 2 Amp AC > 2 Amp	DC > 2 Amp AC > 2 Amp	DC > 2 Amp AC > 2 Amp
Helmet Compliance	ANSI Z87.1-2010, CSA Z94.3, CE	ANSI Z87.1-2010, CSA Z94.3, CE	ANSI Z87.1-2010, CSA Z94.3, CE
Cartridge Size	US 5.25 x 4.50 in (133 x 114 mm)	US 5.25 x 4.50 in (133 x 114 mm)	US 5.25 x 4.50 in (133 x 114 mm)
View Size	3.7 x 3.34 in (95 x 85 mm)	3.7 x 3.34 in (95 x 85 mm)	2.95 x 4.25 in (75 x 108 mm)
Blower Assembly	1 Year Warranty	1 Year Warranty	1 Year Warranty
ADF Helmet	5 Year Warranty	5 Year Warranty	5 Year Warranty


<sup>(1)</sup> Belt size maximum of 60 in. (1524 mm) with belt extension accessory.

<sup>(2)</sup> Refer to NIOSH respirator approval label for system configuration.

<sup>(3)</sup> APF=25 for loose fitting Powered Air-Purifying Respiratory according to OSHA 3352-02 2009, when the employer implements a continuing, effective respirator program in compliance with the Respiratory Protection Standard (29 CFR 1910).

## Specifications Charts

### Welding Gloves

**HAND SIZING FOR GLOVES** (measure the width of the hand as shown) 

Product Name	Number	Mens Gloves – in (cm)					Womens Gloves – in (cm)		
		Small 8.0 (20)	Medium 8.5 (22)	Large 9.0 (23)	X Large 9.5 (24)	2X Large 10.0 (25)	X Small 7.0 (18)	Small 7.5 (19)	Medium 8.0 (20)
Roll Cage™ Welding Rigging Gloves	K3109-xx	•	•	•	•	•			
Premium Leather MIG/Stick Welding Gloves	K2980-xx		•	•	•				
Premium 7 Series Stick/MIG Elkskin Welding Gloves	K4787-xx		•	•	•				
Premium 8 Series Stick/MIG Elkskin Welding Gloves	K4788-xx		•	•	•				
Heavy Duty MIG/Stick Welding Gloves	K4082-xx		•	•	•				
Traditional MIG/Stick Welding Gloves	K2979-xx	•	•	•	•	•			
DynaMIG™ Traditional MIG Welding Gloves	K3805-xx		•	•	•	•			
DynaMIG™ Heavy Duty MIG Welding Gloves	K3806-xx		•	•	•	•			
DynaMIG™ Heavy Duty Professional Welding Gloves	K5472-x						•	•	•
Full Leather SteelWorker® Gloves	K2977-xx	•	•	•	•	•			
Premium Leather TIG Welding Gloves	K2983-xx		•	•	•				
Welders Leather Drivers Gloves (Lined)	K3770-xx		•	•	•	•			
Traditional Leather Drivers Gloves (Unlined)	K3769-xx		•	•	•	•			
Cut Resistant A2 Drivers Gloves	K3771-xx		•	•	•	•			
Leather TIG Welding Gloves	K2981-xx		•	•	•				
Heat-Resistant Welding Gloves	K2982-xx			•	•				
Women's MIG/Stick Welding Gloves	K3232-xx							•	•
Women's SteelWorker® Gloves	K3231-xx						•	•	•

### OMNISHield™ Professional Face Shields

Product Name	Lens Type	Lens Thickness in.	Lens Coatings	Headgear	Hard Hat Compatibility	Compliance	Net Wt oz.
OMNISHield™ Clear Face Shields	Polycarbonate	0.077 (1.96 mm)	Uncoated Anti-Fog, Anti-Fog & Anti-Scratch	Air-Cushioned with Adjustable Ratchet	Yes; Slotted and Non-slotted adapters available	ANSI Z87.1 CSA Z94.3 CE EN 166 AS / NZS 1337.1	12.4
OMNISHield™ IR Face Shields	IR 3 & IR 5 Polycarbonate		Uncoated				

## Specifications Chart

### Welding Apparel

Part No./ Size	Chest Measurement in (cm)	Sleeve Length in (cm)	Torso Size in (cm)
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#### Traditional Split Leather-Sleeved Jacket

K3106-M	40-42 (102-107)	31 (79)	30 (76)
K3106-L	44-46 (112-117)	32 (81)	30 (76)
K3106-XL	48-50 (122-127)	33 (84)	30 (76)
K3106-2XL	52-54 (132-137)	34 (86)	30 (76)
K3106-3XL	56-58 (142-147)	35 (89)	30 (76)

#### XVI Series HD FR & Split Leather Welding Jackets

K4933-M	40-42 (102-107)	31 (79)	30 (76)
K4933-L	44-46 (112-117)	32 (81)	31 (79)
K4933-XL	48-50 (122-127)	33 (84)	32 (81)
K4933-2XL	52-54 (132-137)	34 (86)	33 (84)
K4933-3XL	56-58 (142-147)	35 (89)	34 (86)
K4933-5XL	60-66 (152-168)	35 (89)	34 (86)

#### XVI Series Industrial FR Welding Jackets

K4931-M	40-42 (102-107)	31 (79)	30 (76)
K4931-L	44-46 (112-117)	32 (81)	31 (79)
K4931-XL	48-50 (122-127)	33 (84)	32 (81)
K4931-2XL	52-54 (132-137)	34 (86)	33 (84)
K4931-3XL	56-58 (142-147)	35 (89)	34 (86)
K4931-5XL	60-66 (152-168)	35 (89)	34 (86)

#### Shadow™ Grain Leather-Sleeved Jacket

K2987-M	40-42 (102-107)	31 (79)	30 (76)
K2987-L	44-46 (112-117)	32 (81)	31 (79)
K2987-XL	48-50 (122-127)	33 (84)	32 (81)
K2987-2XL	52-54 (132-137)	34 (86)	33 (84)
K2987-3XL	56-58 (142-147)	35 (89)	34 (86)

#### Shadow™ Split Leather-Sleeved Jacket

K2986-M	40-42 (102-107)	31 (79)	30 (76)
K2986-L	44-46 (112-117)	32 (81)	31 (79)
K2986-XL	48-50 (122-127)	33 (84)	32 (81)
K2986-2XL	52-54 (132-137)	34 (86)	33 (84)
K2986-3XL	56-58 (142-147)	35 (89)	34 (86)
K2986-5XL	60-66 (152-168)	35 (89)	34 (86)

#### Heavy Duty Leather Welding Jacket

K2989-M	40-42 (102-107)	31 (79)	30 (76)
K2989-L	44-46 (112-117)	32 (81)	31 (79)
K2989-XL	48-50 (122-127)	33 (84)	32 (81)
K2989-2XL	52-54 (132-137)	34 (86)	33 (84)
K2989-3XL	56-58 (142-147)	35 (89)	34 (86)

Part No./ Size	Chest Measurement in (cm)	Sleeve Length in (cm)	Torso Size in (cm)
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#### Traditional FR Cloth Jacket

##### Khaki

K3317-M	40-42 (102-107)	31 (79)	30 (76)
K3317-L	44-46 (112-117)	32 (81)	30 (76)
K3317-XL	48-50 (122-127)	33 (84)	30 (76)
K3317-2XL	52-54 (132-137)	34 (86)	30 (76)
K3317-3XL	56-58 (142-147)	35 (89)	30 (76)

##### Black

K2985-M	40-42 (102-107)	31 (79)	30 (76)
K2985-L	44-46 (112-117)	32 (81)	30 (76)
K2985-XL	48-50 (122-127)	33 (84)	30 (76)
K2985-2XL	52-54 (132-137)	34 (86)	30 (76)
K2985-3XL	56-58 (142-147)	35 (89)	30 (76)

#### FR Welding Shirt

##### Khaki

K3382-M	40-42 (102-107)	32 (81)	32 (81)
K3382-L	44-46 (112-117)	33 (84)	33 (84)
K3382-XL	48-50 (122-127)	34 (86)	34 (86)
K3382-2XL	52-54 (132-137)	35 (89)	35 (89)

##### Black

K3113-M	40-42 (102-107)	32 (81)	32 (81)
K3113-L	44-46 (112-117)	33 (84)	33 (84)
K3113-XL	48-50 (122-127)	34 (86)	34 (86)
K3113-2XL	52-54 (132-137)	35 (89)	35 (89)
K3113-3XL	56-58 (142-147)	36 (91)	36 (91)

#### FR Welding Lab Coat

K3112-M	40-42 (102-107)	31 (79)	
K3112-L	44-46 (112-117)	32 (81)	
K3112-XL	48-50 (122-127)	33 (84)	

#### Split Leather Welding Apron

K3110-ALL	One Size Fits All		
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#### Split Leather FR Welding Sleeves

K3111-ALL		21 (53)	
K4728-ALL		21 (53)	

Part No./ Size	Bust Size in (cm)	Sleeve Length in (cm)	Torso Size in (cm)	Waist Size in (cm)
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#### Women's Shadow™ Split Leather-Sleeved Jacket

K3114-XS	32-36 (81-91)	28 (71)	27 (68)	28-32 (71-81)
K3114-S	36-39 (91-99)	28 (71)	27 (68)	32-34 (81-86)
K3114-M	39-41 (99-104)	29 (74)	27 (68)	34-36 (86-91)
K3114-L	41-43 (104-109)	30 (76)	27 (68)	36-38 (91-96)
K3114-XL	43-46 (109-117)	31 (79)	27 (68)	38-42 (96-107)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### Welding Gear Ready-Pak®

#### Standard Welding Gear Ready-Pak® (K4416-size)

- Lincoln® Industrial Duffel Bag (K3096-1)
- VIKING™ Black 1740 Series ADF Helmet (K3282-3)
- Traditional Khaki Flame Retardant Cloth Welding Jacket (K3317-size)
- Traditional MIG/Stick Welding Gloves (K2979-ALL)
- Traditional Clear Safety Glasses (K3104-1)
- Leather TIG Gloves (K2981-size)
- Straight Head Chipping Hammer (K4022-1)
- Welding Pliers (K4014-1)
- 3x19 Carbon Steel Wire Brush (K3184-1)

#### Women's Standard Welding Gear Ready-Pak® (K4416-W-size)

- Lincoln® Industrial Duffel Bag (K3096-1)
- VIKING™ Black 1740 Series ADF Helmet (K3282-3)
- Traditional Khaki Flame Retardant Cloth Welding Jacket (K3317-size)
- Women's MIG/Stick Welding Gloves (K3232-size)
- Traditional Clear Safety Glasses (K3104-1)
- Leather TIG Gloves (K2981-M)
- Straight Head Chipping Hammer (K4022-1)
- Welding Pliers (K4014-1)
- 3x19 Carbon Steel Wire Brush (K3184-1)

#### Men's Intermediate Education Welding Gear Ready-Pak® (K4595-size)

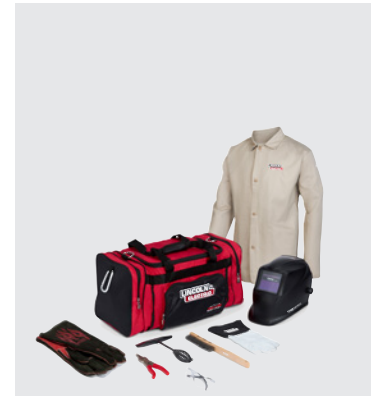
- VIKING™ 1840 Series ADF Black Welding Helmet (K3023-4)
- Traditional Split Leather-Sleeved Jacket - Black (K3106-size)
- Welders Backpack (K3740-1)
- Heavy Duty DynaMIG™ Gloves (K3806-size)
- Leather TIG Welding Gloves (K2983-size)
- Lincoln® Starlite® IR 5 Safety Glasses (K2967-1)
- Traditional Safety Glasses (K3104-1)
- OMNISHield™ Face Shield - Dual Coating (K3750-1)
- Black and Red Welding Bandana (K2993-ALL)
- Welding Pliers (K4014-1)
- Straight Head Chipping Hammer (K4022-1)
- Carbon Steel Wire Brush (K3185-1)
- Weld Fillet Gauge Set (K3720-1)
- C-Clamp (K3721-1)
- Tip Cleaner (K3724-1)
- Flat Soap Stone Holder with 1 Soap Stone (K3725-1)

#### Women's Intermediate Education Welding Gear Ready-Pak® (K4595-W-size)

- VIKING™ 1840 Series ADF Black Welding Helmet (K3023-4)
- Traditional Split Leather-Sleeved Jacket - Black (K3106-size)
- Welders Backpack (K3740-1)
- Women's Heavy Duty DynaMIG™ Gloves (K5472-size)
- Women's MIG/Stick Welding Gloves (K3232-size)
- Traditional Safety Glasses (K3104-1)
- OMNISHield™ Face Shield - Dual Coating (K3750-1)
- Black and Red Welding Bandana (K2993-ALL)
- Welding Pliers (K4014-1)
- Straight Head Chipping Hammer (K4022-1)
- Carbon Steel Wire Brush (K3185-1)
- Weld Fillet Gauge Set (K3720-1)
- C-Clamp (K3721-1)
- Tip Cleaner (K3724-1)
- Flat Soap Stone Holder with 1 Soap Stone (K3727-1)

#### Men's Advanced Welding Gear Ready-Pak® (K3699-Size)

- Lincoln® Industrial Duffel Bag (K3096-1)
- VIKING™ Black 3350 Series ADF Helmet (K3034-4)
- Shadow Split Leather Jacket (K2986-size)
- MX Premium TIG Gloves (K5132-size)
- Premium 7 Series Stick/MIG Elkskin Gloves (K4787-size)
- XLR Half Mask P100 Respirator (K4683-size)
- Axilite™ Clear Safety Glasses (K4673-1)
- OMNISHield™ Face Shield (K3752-1)
- Lincoln® Camo Welding Bandana (K4825-ALL)
- Welding Pliers (K4014-1)
- Straight Head Chipping Hammer (K4022-1)
- 3 Brush Combo Pack (K3189-1)
- 4x16 Carbon Steel Wire Brush (K3185-1)
- Weld Fillet Gauge (K3720-1)



Shown:  
Standard Welding Gear Ready-Pak®



Shown:  
Women's Intermediate Education  
Welding Gear Ready-Pak®



Shown:  
Men's Advanced Welding Gear  
Ready-Pak®

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### Women's Advanced Welding Gear Ready-Pak® (K3699-W-Size)

- Lincoln® Industrial Duffel Bag (K3096-1)
- VIKING™ Black 3350 Series ADF Helmet (K3034-4)
- Women's Flame Retardant Shadow Welding Jacket (K3114-size)
- MX Premium TIG Gloves (K5232-size)
- Women's MIG/Stick Welding Gloves (K3232-Size)
- XLR Half Mask P100 Respirator (K4683-size)
- Axilite™ Clear Safety Glasses (K4673-1)
- OMNISHield™ Face Shield (K3752-1)
- Lincoln® Camo Welding Bandana (K4825-ALL)
- Welding Pliers (K4014-1)
- Straight Head Chipping Hammer (K4022-1)
- 3 Brush Combo Pack (K3189-1)
- 4x16 Carbon Steel Wire Brush (K3185-1)
- Weld Fillet Gauge (K3720-1)

### Premium Welding Gear Ready-Pak® (K3715-Size)

- Welder's 2-in-1 Duffel (K4799-1)
- VIKING™ 3350ADV Black Welding Helmet (K3034-5)
- XVI Series FR Welding Jacket (K4933-size)
- MX Premium TIG Welding Gloves (K5132-size)
- MX Series Premium A4 Cut Resistant MIG Gloves (K5131-size)
- Arc Rated T-Shirt (K5267-size)
- Axilite™ Clear Safety Glasses (K4673-1)
- OMNISHield™ XC Face Shield (K3752-2)
- XLR P100 Respirator (K4683-size)
- Welding Bandana - Lincoln® Camo (K4825-ALL)
- Welding Pliers (K4014-1)
- Straight Head Chipping Hammer (K4022-1)
- Weld Fillet Gage Set (K3720-1)
- 4 x 16 Carbon Steel Wire Brush (K3185-1)
- C-Clamp (K3721-1)
- Tip Cleaner (K3724-1)
- Flat Soap Stone Holder with 1 Soap Stone (K3725-1)

### OMNISHield® XC PAPR

#### with Belt Mount (K5323-1)

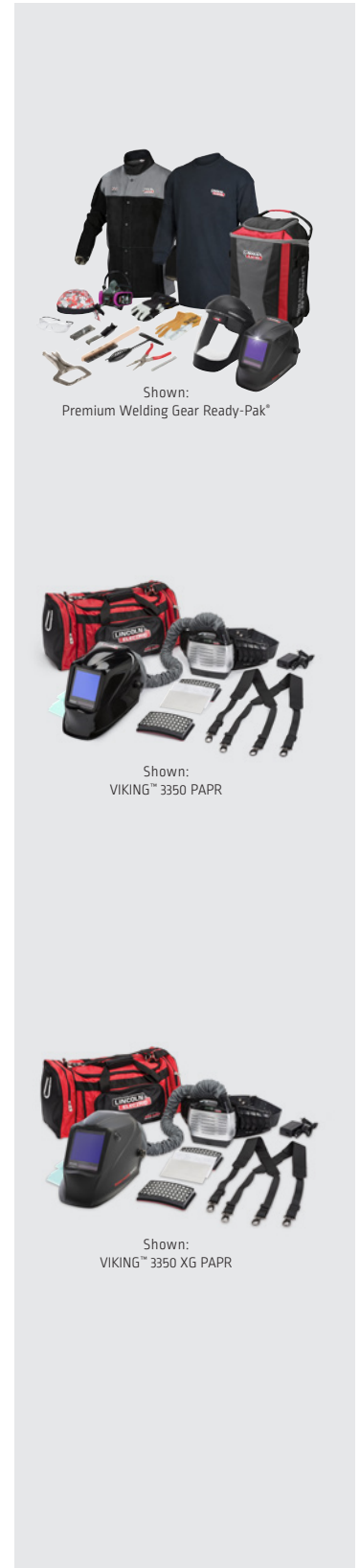
- OMNISHield® XC Face Shield
- VIKING™ PAPR Blower Unit
- Padded Belt 29-52 in. (73.7 - 132 cm) (KP5123-1)
- Shoulder Straps (KP5124-1)
- PAPR Back Pack FR Hose
- Two HEPA Filters (KP3424-2)
- Pre-Filter (KP3935-1)
- Spark Screen (KP3936-1)
- Extended Capacity Lithium Ion Battery (KP3938-1)
- 120V Battery Charger (KP3932-1)
- Industrial Duffel Bag

#### OMNISHield® XC PAPR with Back Pack Mount (K5323-2)

- OMNISHield® XC Face Shield
- VIKING™ PAPR Blower Unit
- VIKING™ PAPR Back Pack
- PAPR Back Pack FR Hose
- Two HEPA Filters (KP3424-2)
- Pre-Filter (KP3935-1)
- Spark Screen (KP3936-1)
- Extended Capacity Lithium Ion Battery (KP3938-1)
- 120V Battery Charger (KP3932-1)
- Industrial Duffel Bag

#### OMNISHield® XCF PAPR w/Belt Mount (K5324-1)

- OMNISHield® XCF Face Shield
- VIKING™ PAPR Blower Unit
- Padded Belt 29-52 in. (73.7 - 132 cm) (KP5123-1)
- Shoulder Straps (KP5124-1)
- PAPR Back Pack FR Hose
- Two HEPA Filters (KP3424-2)
- Pre-Filter (KP3935-1)
- Spark Screen (KP3936-1)
- Extended Capacity Lithium Ion Battery (KP3938-1)
- 120V Battery Charger (KP3932-1)
- Industrial Duffel Bag



Shown:  
Premium Welding Gear Ready-Pak®

Shown:  
VIKING™ 3350 PAPR

Shown:  
VIKING™ 3350 XG PAPR



## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### OMNISHield® XCF PAPER

#### with Back Pack (K5324-2)

- OMNISHield® XCF Face Shield
- VIKING™ PAPER Blower Unit
- VIKING™ PAPER Back Pack
- PAPER Back Pack FR Hose
- Two HEPA Filters (KP3424-2)
- Pre-Filter (KP3935-1)
- Spark Screen (KP3936-1)
- Extended Capacity Lithium Ion Battery (KP3938-1)
- 120V Battery Charger (KP3932-1)
- Industrial Duffel Bag

### VIKING™ 3350 PAPER

#### with Standard Battery (K3930-1)

- VIKING™ 3350 XG PAPER Welding Helmet
- VIKING™ PAPER Blower Unit 29-52 in. (73.7 - 132 cm) Padded Belt
- Two Shoulder Straps Hose with Flame Retardant Cover
- Two HEPA Filters
- Pre Filter
- Spark Screen
- Standard Capacity Lithium Ion Battery
- 120V Battery Charger
- Industrial Duffel Bag
- 3350 Series Clear Cover Lenses (Qty 7)

### VIKING™ 3350 XG PAPER

#### with Standard Battery (K3930-4)

- VIKING™ 3350 XG PAPER Welding Helmet (KP3944-1)
- VIKING™ PAPER Blower Unit (KP5123-1)
- Padded Belt 29-52 in. (73.7 - 132 cm)
- Two Shoulder Straps (KP5124-1)
- Hose with FR Cover (KP5122-1)
- Two HEPA Filters (KP3424-2)
- Pre Filter (KP3935-1)
- Spark Screen (KP3936-1)
- Standard Capacity Lithium Ion Battery (KP3937-1)
- 120V Battery Charger (KP3932-1)
- Industrial Duffel Bag (K3096-1)
- Outside Cover Lenses 3350 Series (Qty 7) (KP2898-1)
- Inside Cover Lenses 3350 Series (Qty 7) (KP3044-1)

#### with Extended Battery (K3930-6)

- VIKING™ 3350 XG PAPER Welding Helmet
- VIKING™ PAPER Blower Unit (KP3944-1)
- Padded Belt 29-52 in. (73.7 - 132 cm) (KP5123-1)
- Two Shoulder Straps (KP5124-1)
- Hose with FR Cover (KP5122-1)
- Two HEPA Filters (KP3424-2)
- Pre Filter (KP3935-1)
- Spark Screen (KP3936-1)
- Extended Capacity Lithium Ion Battery (KP3938-1)
- 120V Battery Charger (KP3932-1)
- Industrial Duffel Bag (K3096-1)
- Outside Cover Lenses 3350 Series (Qty 7) (KP2898-1)
- Inside Cover Lenses 3350 Series (Qty 7) (KP3044-1)

### VIKING™ 3250D FGS® PAPER

#### with Standard Battery (K4550-1)

- VIKING™ 3250D FGS® PAPER Welding Helmet
- VIKING™ PAPER Blower Unit (KP3944-1)
- Padded Belt 29-52 in. (73.7 - 132 cm) (KP5123-1)
- Two Shoulder Straps (KP5124-1)
- Hose with FR Cover (KP5122-1)
- Two HEPA Filters (KP3424-2)
- Pre Filter (KP3935-1)
- Spark Screen (KP3936-1)
- Standard Capacity Lithium Ion Battery (KP3937-1)
- 120V Battery Charger (KP3932-1)
- Industrial Duffel Bag
- Outside Cover Lenses - FGS® Series (Qty 7) (KP3700-1)
- Inside Cover Lenses - FGS® Series (Qty 7) (KP3701-1)

#### with Extended Battery (K4550-3)

- VIKING™ 3250D FGS® PAPER Welding Helmet
- VIKING™ PAPER Blower Unit (KP3944-1)
- Padded Belt 29-52 in. (73.7 - 132 cm) (KP5123-1)
- Two Shoulder Straps (KP5124-1)
- Hose with FR Cover (KP5122-1)
- Two HEPA Filters (KP3424-2)
- Pre-Filter (KP3935-1)
- Spark Screen (KP3936-1)
- Extended Capacity Lithium Ion Battery (KP3938-1)
- 120V Battery Charger (KP3932-1)
- Industrial Duffel Bag
- Outside Cover Lenses - FGS® Series (Qty 7) (KP3700-1)
- Inside Cover Lenses - FGS® Series (Qty 7) (KP3701-1)



Shown:  
OMNISHield® XC PAPER w/Back Pack



Shown:  
VIKING™ 3250D FGS® PAPER with  
Standard Battery



Shown:  
VIKING™ 3250 FGS® Hard Hat PAPER w/  
Standard Battery

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Hard Hat PAPR with Standard Battery (K4550-4)

- VIKING™ Hard Hat Helmet 3250D FGS® Black
- Blower Unit
- Head Cover
- Hose
- 2 Particulate Filters
- 29-52 in. (73.7 - 132 cm) Padded Belt
- Shoulder Strap
- 120 V Battery Charger
- Duffel Bag
- Rechargeable Battery
- Pre-Filter
- Spark Guard
- Hose Cover

### with Extended Battery (K4550-6)

- VIKING™ Hard Hat Helmet 3250D FGS® Black
- Blower Unit
- Head Cover
- Hose
- 2 Particulate Filters
- 29-52 in. (73.7 - 132 cm) Padded Belt
- Shoulder Strap
- 120 V Battery Charger
- Duffel Bag
- Rechargeable Battery
- Pre Filter
- Spark Guard
- Hose Cover

## Replacement Parts » Welding Helmets

Product Name	Dimensions	Package Quantity	Product Number	VIKING™ Industrial Passive™	VIKING™ 1740 Series	VIKING™ 1840 Series	VIKING™ 2450 Series	VIKING™ 2450D Series	VIKING™ 3350 Series	VIKING™ 3250 D FGS® Series
Shade 11 Filter Plate	4.50 x 5.25 in (114 x 133 mm)	1	KP4003-1	•						
1740 ADF Cartridge	DIN 110 X 90	1	KP3284-2		•					
1840 ADF Cartridge	DINS 110 X 90	1	KP2853-3			•				
2450 Series ADF Cartridge	STD 4 X 5	1	KP2932-3				•			
2450D Series ADF Cartridge	STD 4 X 5	1	KP3243-3					•		
3350 Series ADF Cartridge	STD 4 X 5	1	KP3045-3						•	
1840 Inside Cover Lens	96 x 51.6 x 1.0 mm (3.78 x 2.03 x 0.04 in)	5	KP2897-1			•				
2450/3350 Outside Clear Cover Lens	114 x 133 x 1.0 mm (4.5 x 5.25 x 0.04 in)	5	KP2898-1	•			•	•	•	
2450/3350 Bulk Outside Cover Lens	114 x 133 x 1.0 mm (4.5 x 5.25 x 0.04 in)	50	KP4628-1	•			•	•	•	
2450 Inside Clear Cover Lens	98.5 x 66.5 x 1.0 mm (3.88 x 2.62 x 0.04 in)	5	KP2931-1				•	•		
1740/1840 Outside Clear Cover Lens	114 x 100 x 1.5 mm (4.5 x 3.94 x 0.06 in)	5	KP3043-1		•	•				
1740/1840 Bulk Outside Cover Lens	114 x 100 x 1.5 mm (4.5 x 3.94 x 0.06 in)	50	KP4627-1		•	•				
3350 Inside Clear Cover Lens	94.7 x 89.7 x 1.0 mm (3.73 x 3.53 x 0.04 in)	5	KP3044-1						•	
1740 Inside Clear Cover Lens Kit	95.9 x 47.2 x 1.00 mm (3.78 x 1.86 x 0.04 in)	5	KP3283-1		•					
CR2450 Lithium Battery	N/A	1	KP4491-1			•	•	•	•	
Retaining Frame	2 x 4.25 Frame, 2.5 Mag	1	KP4004-1	•						
Cheater Lens 1.00 Mag	2 x 4.25 Frame, 1.0 Mag	1	KP3046-100	•	•	•	•	•	•	
Cheater Lens 1.25 Mag	2 x 4.25 Frame, 1.25 Mag	1	KP3046-125	•	•	•	•	•	•	
Cheater Lens 1.50 Mag	2 x 4.25 Frame, 1.5 Mag	1	KP3046-150	•	•	•	•	•	•	
Cheater Lens 1.75 Mag	2 x 4.25 Frame, 1.75 Mag	1	KP3046-175	•	•	•	•	•	•	
Cheater Lens 2.00 Mag	2 x 4.25 Frame, 2.0 Mag	1	KP3046-200	•	•	•	•	•	•	
Cheater Lens 2.25 Mag	2 x 4.25 Frame, 2.25 Mag	1	KP3046-225	•	•	•	•	•	•	
Cheater Lens 2.50 Mag	2 x 4.25 Frame, 2.5 Mag	1	KP3046-250	•	•	•	•	•	•	
Sweatband	N/A	2	KP2930-1	•	•	•	•	•	•	
VIKING™ X6 Headgear™ Kit	N/A	1	KP4470-1	•	•	•	•	•	•	
VIKING™ Ratchet Style Headgear Kit	N/A	1	KP4100-1	•	•	•	•	•	•	
VIKING™ Pivot Headgear Kit	N/A	1	KP3908-1	•	•	•	•	•	•	
Halo Style Hard Hat Adapter	N/A	1	KP3047-1	•	•	•	•	•	•	
VIKING™ Slotted Hard Hat Adapter	NA	1	KP3486-1	•	•	•	•	•	•	
Cotton Backpad for VIKING™ X6 Headgear	NA	2	KP4541-1	•	•	•	•	•	•	
Hard Hat Sweatband	N/A	1	KP4922-1							•
Grind Button Replacement	N/A	1	KP4560-1				•	•		
VIKING™ 3350 Series ADF Cartridge Kit	N/A	1	KP3045-2						•	

• Compatible

## Replacement Parts » VIKING™ 3250D FGS™ Welding Helmet

Product name	Package Qty.	Product Number
FGS® 3250D - Outside Cover Lens	5	KP3700-1
FGS® 3250D - Inside Cover Lens	2	KP3701-1
FGS® 3250D - Clear Anti-Fog Grind Shield	1	KP3702-1
FGS® 3250D - Series ADF Cartridge	1	KP3703-3
FGS® 3250D - Replacement Shell (with inside windows)	1	KP3704-1
FGS® 3250D - Side Window Covers	2	KP3705-1
FGS® 3250D - Headgear	1	KP3706-1
FGS® 3250D - Slotted Hard Hat Adapter	1	KP3707-1
FGS® 3250D - Halo Style Hard Hat Adapter	1	KP3708-1
FGS® 3250D - Hard Hat Replacement	1	KP4977-1
FGS® 3250D - Hard Hat Helmet Assembly	1	KP4474-3
Sweatband	2	KP2930-1

## Replacement Parts » OMNISHield™ Face Shields

Product Type	Description	Product Number
OMNISHield™ Replacement Face Shield Lenses	Replacement Clear Lens - Standard	KP3755-1
	Replacement Clear Lens - Anti-Fog	KP3756-1
	Replacement Clear Lens - Anti-Fog / Anti-Scratch	KP3757-1
	Replacement Lens - Shade 3 IR	KP3758-1
	Replacement Lens - Shade 5 IR	KP3759-1
	Replacement Lens - Shade 5 Flip-Up	KP4974-1
	Replacement Lens - Shade 8 Flip-Up	KP4975-1
OMNISHield™ Hard Hat Adapters	Slotted Hard Hat Adapter	KP3761-1
	Non-Slotted (Halo) Hard Hat Adapter	KP3762-1
OMNISHield™ Headpiece & Sweatbands	Headpiece (w/Headgear)	KP3760-1
	Sweatband (pack of 2)	KP3764-1
	Backpack Cushion	KP4636-1
OMNISHield™ XC PAPR Face Shield Headpiece		KP5327-1
OMNISHield™ PAPR Headcovering		KP5329-1
OMNISHield™ PAPR Overhead Covering		KP5330-1
OMNISHield™ XCF PAPR Flip-Up Headpiece		KP5328-1
OMNISHield™ Replacement Chin Guard		KP4637-1
OMNISHield™ PAPR Chin Guard		KP5354-1
OMNISHield™ Headpiece for Flip-Up Lenses		KP4976-1

## Replacement Parts » VIKING™ Welding Helmet Replacement Shells

Product Name	Product Number
VIKING™ 1740 Black Replacement Shell	KP4803-1
VIKING™ 1840 5th Generation Replacement Shell – Matte Black	KP4802-2
VIKING™ 2450/3350 4th Gen Replacement Shell – Gloss Black	KP4560-1
VIKING™ 2450/3350 4th Gen Replacement Shell – Matte Black	KP4561-1
VIKING™ 3350/2450 Replacement Shell – All American®	KP4565-1
VIKING™ 3350/2450 Replacement Shell – Born to Weld	KP4575-1
VIKING™ 3350/2450 Replacement Shell – Code Red®	KP4577-1
VIKING™ 3350/2450 Replacement Shell – Daredevil™	KP4576-1
VIKING™ 3350/2450 Replacement Shell – Foose Imposter™	KP4579-1
VIKING™ 3350/2450 Replacement Shell – Graveyard Shift®	KP4564-1
VIKING™ 3350/2450 Replacement Shell – Heavy Metal®	KP4581-1
VIKING™ 3350/2450 Replacement Shell – Hot Rodders™	KP4580-1
VIKING™ 3350/2450 Replacement Shell – Medieval®	KP4672-1
VIKING™ 3350/2450 Replacement Shell – Mojo®	KP4570-1
VIKING™ 3350/2450 Replacement Shell – Motorhead®	KP4569-1
VIKING™ 3350/2450 Replacement Shell – Polar Arc®	KP4572-1
VIKING™ 3350/2450 Replacement Shell – Steampunk™	KP4574-1
VIKING™ 3350/2450 Replacement Shell – Street Rod®	KP4563-1
VIKING™ 3350/2450 Replacement Shell – Twisted Metal®	KP4571-1
VIKING™ 3350/2450 Replacement Shell – White Tail Camo™	KP4566-1
VIKING™ 3350/2450 Replacement Shell – Zombie®	KP4578-1
VIKING™ 3350/2450 ADV Replacement Shell – Twisted Metal®	KP4571-2
VIKING™ 2450 ADV Replacement Shell – Intergalactic™	KP5247-2
VIKING™ 3250D FGS® PAPR Replacement Shell Including Side Window Installed – Black	KP3704-1
VIKING™ 3350 ADV Replacement Shell – Black	KP4561-2
VIKING™ 3350 ADV Replacement Shell – Code Red®	KP4577-2
VIKING™ 3350 ADV Replacement Shell – Daredevil™	KP4576-2
VIKING™ 3350 ADV Replacement Shell – Hot Rodders™	KP4580-2
VIKING™ 3350 ADV Replacement Shell – Mossy Oak® Country DNA®	KP5424-2
VIKING™ 3350 ADV Replacement Shell – Steampunk™	KP4574-2
VIKING™ 3350 XG PAPR Replacement Shell – Black	KP4704-1
VIKING™ FGS® PAPR Replacement Shell – Black	KP4472-1
FGS® 3250D PAPR Hard Hat Helmet Replacement Shell	KP4979-1



## Accessories » Personal Respiratory Accessories and Parts

Product Type	Product Number
<b>General</b>	
OMNISHield® PAPR Chin Guard	KP5354-1
OMNISHield® XC PAPR Face Shield Headpiece	KP5327-1
OMNISHield® XCF PAPR Flip-Up Headpiece	KP5328-1
PAPR Spark Screen	KP3936-1
<b>Helmets, Headpieces and Headcoverings</b>	
3350 PAPR Headcovering w/Hook and Loop	KP3940-1
3350 PAPR Headgear w/Plenum and Sweatband	KP3942-1
3350 XG PAPR Welding Helmet Assembly	KP4638-1
3350 XG PAPR Replacement Helmet Shell	KP4704-1
FGS® PAPR Headcovering w/Hook and Loop	KP4473-1
FGS® PAPR Pivot Headgear	KP4471-1
FGS® PAPR Replacement Helmet Shell	KP4472-1
FGS® PAPR Welding Helmet Assembly	KP4474-1
Hard Hat Sweatband	KP4922-1
PAPR Front Sweatband	KP4639-1
OMNISHield® PAPR Headcovering	KP5329-1
OMNISHield® PAPR Headgear Back Pad	KP4636-1
OMNISHield® PAPR Overhead Covering	KP5330-1
PAPR FGS® Hard Hat Headcovering Replacement	KP4978-1
PAPR FGS® Hard Hat Helmet Shell Replacement	KP4979-1
PAPR FGS® Hard Hat Replacement	KP4977-1
VIKING™ PAPR 3350 Helmet Assembly w/Headgear and Headcovering	KP5121-1
VIKING™ PAPR 3350 Helmet Assembly	KP5121-2
VIKING™ FGS® Hard Hat Helmet Assembly	KP4474-3

Product Type	Product Number
<b>Filter Components</b>	
VIKING™ PAPR High Efficiency Particulate Filter 2/pk	KP3424-2
VIKING™ PAPR High Efficiency Particulate Filter 6/pk	KP3424-6
PAPR VIKING™ Pre-Filter 6/pk	KP3935-1
<b>Battery &amp; Blower</b>	
Multi-Operator PAPR Battery Charger	KP3383-1
PAPR Battery Charger 115V	KP3932-1
VIKING™ PAPR Air Purifying Blower Assembly	KP3944-1
VIKING™ PAPR Lithium Ion Battery Standard Capacity	KP3937-1
VIKING™ PAPR Lithium Ion Battery Extended Capacity	KP3938-1
<b>Belt, Back Pack, Hose &amp; Straps</b>	
3350 XG PAPR Replacement Back pad for Headgear	KP4640-1
PAPR Adjustable Leather Belt Assembly	KP5123-1
VIKING™ PAPR Back Pack	KP5309-1
VIKING™ PAPR Belt Extension	KP3939-1
PAPR Hose Assembly w/Cover	KP5122-1
VIKING™ PAPR FR Short Hose Cover	KP5311-1
VIKING™ PAPR Short Hose Assembly w/Cover	KP5310-1
PAPR Shoulder Strap Assembly	KP5124-1

## Accessories » ArcSpecs™

Product Type	Description	Product Number
ArcSpecs™ Headcovering	Adjustable Cloth Balaclava	KP4645-1
ArcSpecs™ Headband	Replacement Elastic Headband	KP4646-1
ArcSpecs™ LED Light Kit	Smart LED light	KP4647-1
ArcSpecs™ Goggle Frame	Replacement Rubber Frame	KP4652-1
ArcSpecs™ Face Cover	Impact-Resistant Plastic Face Guard	KP4644-1
ArcSpecs™ Inside Cover Lenses	5/Pack Clear Polycarbonate Outside Cover Lenses	KP4649-1
ArcSpecs™ Outside Cover Lenses	5/Pack Clear Polycarbonate Cover Lenses For Arcspecs™ Auto-Darkening Goggles	KP4649-1
ArcSpecs™ LED Light Cover Lenses	5/Pack Clear Polycarbonate Cover Lenses For Led Light Module	KP4705-1



# GUNS AND TORCHES

**MAGNUM® PRO GUNS** » L-Series · Curve™ HDE™ Series · Curve™ Series · Barrel Series · Barrel HDE™ Series · Water-Cooled Guns · Fume Guns · Innershield® · Robotic · Spool Guns · Push-Pull

**MAGNUM® GUNS** » 100 Series · 200 Series · 300 Series · 400 Series · 500 Series · 5G Spool Gun

**SPECIALIZED GUNS** » Submerged Arc · Innershield®

**TIG TORCHES** » PRO-Torch™ · Caliber™ · Air-Cooled · Water-Cooled

## Magnum® PRO 100L Welding Gun

### Light and Compact

- The large mass of the Magnum® PRO Copper Plus® contact tips help disperse heat, keeping tips cooler and expanding their life
- The Anti-Seize™ threads prevent tips from seizing in the diffuser
- The lightweight curved handle with soft rubber over molding enhances comfort and allows for an easier grip of the gun
- The 100L runs at 100% duty cycle using mixed gas, helping it withstand tough jobs



#### Processes

- MIG
- Pulsed MIG
- Flux-Cored

#### Compatible With:

- POWER MIG® 140C
- POWER MIG® 180C
- POWER MIG® 180 Dual
- POWER MIG® 140 MP
- POWER MIG® 211i

#### Literature

E12.31

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps)	Duty Cycle [%] Mixed Gas	Wire Diameter Range in (mm)
Magnum® PRO 100L 4-Pin	K4528-1	10 (3.0)	100	100	0.025-0.045 (0.6-1.2)
8-Pin	K4528-1-8P				
Magnum® PRO 100L w/ Miller® Connector	K4871-1				

## Magnum® PRO 175L Welding Gun

### Compact and Powerful

- The large mass of the Magnum® PRO Copper Plus® contact tips help disperse heat, keeping tips cooler and expanding their life
- The Anti-Seize™ threads prevent tips from seizing in the diffuser
- The lightweight curved handle with soft rubber over molding enhances comfort and allows for an easier grip of the gun
- The 175L runs at 100% duty cycle using mixed gas, helping it withstand tough jobs



#### Processes

- MIG
- Pulsed MIG
- Flux-Cored

#### Compatible With:

- POWER MIG® 210 MP
- POWER MIG® 215 MPI

#### Literature

E12.33

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps)	Duty Cycle [%] Mixed Gas	Wire Diameter Range in (mm)
Magnum® PRO 175L	K4529-1	10 (3.0)	175	100	0.025-0.045 (0.6-1.2)
Magnum® PRO 175L w/ Miller® Connector	K4872-1				

## Magnum® PRO 250L Welding Gun

### Medium Duty MIG Welding Gun

- The large mass of the Magnum® PRO Copper Plus® contact tips help disperse heat, keeping tips cooler and expanding their life
- The lightweight curved handle with soft rubber over molding enhances comfort and allows for an easier grip of the gun
- The chrome plated gun tube prevents spatter from adhering to the gun tube, making it last longer



#### Processes

- MIG
- Pulsed MIG
- Flux-Cored

#### Compatible With:

- POWER MIG® 256
- POWER MIG® 260
- POWER MIG® 262

#### Literature

E12.32

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps)	Duty Cycle (%) Mixed Gas	Wire Diameter Range in (mm)
Magnum® PRO 250L	K4530-2	15 (4.5)	250	100	0.025-0.045 (0.6-1.2)
Magnum® PRO 250L w/ Miller® Connector	K4873-2				
Magnum® PRO 250L - K466-10	K4874-2				

## Magnum® PRO LFG 350 Fume Gun

### Tailor Made Fume Solution

- Comfortable thanks to the over-molded handle, ball joint strain relief and use of lightweight materials
- Fume nozzle is designed to capture the maximum amount of fume while maintaining the proper shielding gas coverage
- Use of Magnum® PRO 550A expendables extends the life on front end parts



#### Processes

- MIG
- Pulsed MIG
- Flux-Cored

#### Output



#### Input



#### Literature

E12.402

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps) Mixed Gas	Duty Cycle (%) Mixed Gas	Wire Diameter Range in (mm)
Magnum® PRO LFG 350 Fume Gun	K4464-2	15 (4.6)	350	60	0.035-5/64 (0.9-2.0)
	K4464-3	20 (6.1)			
	K4464-4	25 (7.7)			

## Magnum® PRO Curve™ HDE™ Series

Heavy Duty. Ergonomic.

- The Curve™ HDE™, or Heavy Duty and Ergonomic, semiautomatic welding guns have the highest duty cycle rating in their class, making them ideal for rugged environments and high heat applications
- Lincoln Electric's long-lasting expendables are tailor-made to maximize the HDE™ line's performance
- Reduce downtime and easily change positions with the 360° rotating gun tube that can be loosened without the need for tools
- The soft rubber over molding and ergonomic shape of the handle reduces fatigue and enhances grip for better weld control



Shown: Magnum® PRO Curve™ HDE™ 450

**Processes**

- MIG
- Pulsed MIG
- Flux-Cored

**Literature**

- E12.08
- E12.08.1

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps) Mixed Gas	Duty Cycle (%) Mixed Gas	Wire Diameter Range in (mm)			
Magnum® PRO Curve™ HDE™ 250	K4531-1	10 (3.0)	250	100	0.025-.045 (0.635-1.143)			
	K4531-2	15 (4.5)						
	K4531-3	20 (6.1)						
	K4531-4	25 (7.6)						
Magnum® PRO Curve™ HDE™ 250 Ready-Pak®	K4531-2-10-45	15 (4.5)						
	K4531-2-6-45							
	K4531-2-3-45							
Magnum® PRO Curve™ HDE™ 250 Fast-Mate™ 15 Ft.	K4531-2-FM-45							
Magnum® PRO Curve™ HDE™ 250 Fast-Mate™ 25 Ft.	K4531-4-FM-45	25 (7.6)						
Magnum® PRO Curve™ HDE™ 350	K4532-1	10 (3.0)				350	100	0.035-.5/64 (0.9-2.0)
	K4532-2	15 (4.5)						
	K4532-3	20 (6.1)						
	K4532-4	25 (7.6)						
Magnum® PRO Curve™ HDE™ 350 Dual Procedure	K5297-2	15 (4.5)						
	K5297-4	25 (7.6)						
Magnum® PRO Curve™ HDE™ 350 Dual Schedule	K5298-2	15 (4.5)						
	K5298-4	25 (7.6)						
Magnum® PRO Curve™ HDE™ 350 Ready-Pak®	K4532-2-10-45	15 (4.5)						
	K4532-2-6-45							
	K4532-2-3-45							
	K4532-2-1-45							
	K4532-2-10-116							
	K4532-2-6-116							
	K4532-2-3-116							
	K4532-2-1-116							
	K4532-2-FM-45	15 (4.5)						
	K4532-4-10-116	25 (7.6)						
	K4532-4-6-116							
	K4532-4-3-116							
	K4532-4-1-116							
K4532-4-FM-45	25 (7.6)							
Magnum® PRO Curve™ HDE™ 350 HyperFill® Ready-Pak®	K5383-2-FM-047H	15 (4.6)						
	K5383-2-10-047H							
					0.045 Hyperfill™			



## Magnum® PRO Curve™ HDE™ Series, con't.

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps) Mixed Gas	Duty Cycle (%) Mixed Gas	Wire Diameter Range in (mm)
Magnum® PRO Curve™ HDE™ 450 Dual Procedure	K5299-2	15 [4.5]	450	100	0.035-5/64 [0.9-2.0]
	K5299-4	25 [7.6]			
Magnum® PRO Curve™ HDE™ 450 Dual Schedule	K5300-2	15 [4.5]			
	K5300-4	25 [7.6]			
Magnum® PRO Curve™ HDE™ 450	K4533-1	10 [3.0]			
	K4533-2	15 [4.5]			
	K4533-3	20 [6.1]			
	K4533-4	25 [7.6]			
Magnum® PRO Curve™ HDE™ 450 Ready-Pak®	K4533-2-10-564	15 [4.5]			
	K4533-2-3-564				
	K4533-2-7-332				
	K4533-2-3-332				
Magnum® PRO Curve™ HDE™ 450 HyperFill® Ready-Pak® Fast-Mate™	K5384-2-FM-047H				0.045 Hyperfill™
Magnum® PRO Curve™ HDE™ 450 HyperFill® Ready-Pak® K466-10	K5384-2-10-047H				
Magnum® PRO Curve™ HDE™ 550	K4534-1	10 [3.0]	550	100	0.035-1/8 [0.9-3.2]
	K4534-2	15 [4.5]			
	K4534-3	20 [6.1]			
	K4534-4	25 [7.6]			
Magnum® PRO Curve™ HDE™ 550 Ready-Pak®	K4534-2-7-332	15 [4.5]			
	K4534-2-3-332				

## Magnum® PRO Barrel HDE™ Series

### Heavy Duty. Ergonomic.

- The Magnum® PRO Barrel HDE™ guns have the highest duty cycle rating in their class, making them ideal for rugged environments and high heat applications
- Lincoln Electric's patented Magnum® PRO expendables are designed with both performance and productivity in mind. The premium performance helps extend the service life of the expendables, reducing downtime and total costs
- The bolt of the gun tube can be loosened without the need for tools and rotated 360°, so it is easy to position into a comfortable spot for welding



Shown: Magnum® PRO Barrel HDE™ 450 Gun

#### Processes

- MIG
- Pulsed MIG
- Flux-Cored

#### Literature

E12.390

Product Name	Product Number	Amperage Rating 100% Duty Cycle CO <sub>2</sub>	Amperage Rating 100% Duty Cycle Mixed Gas	Wire Diameter Range in (mm)	Cable Length ft (m)
Magnum® PRO Barrel HDE™ 250 Guns	K4856-1	250	250	0.025 - 0.045 (0.6-1.2) <sup>(2)</sup>	10 (3.0)
	K4856-2				15 (4.5)
	K4856-3				20 (6.1)
	K4856-4				25 (7.6)
Magnum® PRO Barrel HDE™ 250 Ready-Pak®	K4856-2-1-45				15 (4.5)
	K4856-2-10-45				
	K4856-2-3-45				
	K4856-2-FM-45				
K4856-4-FM-45	25 (7.6)				
Magnum® PRO Barrel HDE™ 350 Guns	K4857-1	350	350	0.035 - 5/64 (0.9-2.0) <sup>(3)</sup>	10 (3.0)
	K4857-2				15 (4.5)
	K4857-3				20 (6.1)
	K4857-4				25 (7.6)
Magnum® PRO Barrel HDE™ 350 Dual Schedule	K5306-2				15 (4.5)
	K5306-4				25 (7.6)
Magnum® PRO Barrel HDE™ 350 Ready-Pak®	K4857-2-1-116				15 (4.5)
	K4857-2-10-116				
	K4857-2-3-116				
	K4857-2-FM-45				
	K4857-4-1-116				
	K4857-4-10-116				
	K4857-4-3-116				
K4857-4-FM-45	25 (7.6)				
Magnum® PRO Barrel HDE™ 450 Guns	K4858-1	450	450	0.035 - 5/64 (0.9-2.0) <sup>(4)</sup>	10 (3.0)
	K4858-2				15 (4.5)
	K4858-3				20 (6.1)
	K4858-4				25 (7.6)
Magnum® PRO Barrel HDE™ 450 Dual Schedule	K5308-2				15 (4.5)
	K5308-4				25 (7.6)
Magnum® PRO Barrel HDE™ 450 Ready-Pak®	K4858-2-1-564				15 (4.5)
	K4858-2-10-564				
	K4858-2-3-564				

(1) The 450A gun can be adapted to run up to 1/8 in. wire by using a KP45 series liner, a K613 series backend, and a 550A or 550A short gooseneck.

The original 450A gooseneck cannot be used on wire larger than 5/64 in. (2.0 mm)

(2) 0.035-0.045 in. (0.9-1.2 mm) liner included in Ready-Pak®

(3) 0.052-1/16 in. (1.3-1.6 mm) liner included in Ready-Pak®

(4) 1/16-5/64 in. (1.6-2.0 mm) liner included in Ready-Pak®

## Magnum® PRO Curve™ Series

### Get in Front of the Curve

- The Curve™ handle is lightweight and balanced, providing a comfortable grip to reduce fatigue
- Utilizes Magnum® PRO expendables that increase the amount of arc-on time
- Copper Plus® contact tips feature a larger tip diameter that expands life and decreases tip changes
- Rotating gun tube reduces fatigue and allows the gun to fit into tight spaces



Shown: Magnum® PRO Curve 300 Series

#### Processes

- MIG
- Pulsed MIG
- Flux-Cored

#### Literature

E12.05

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps) CO <sub>2</sub> /Mixed	Duty Cycle (%) CO <sub>2</sub> /Mixed	Wire Diameter Range in (mm)				
Magnum® PRO Curve™ 200 Series	K2950-1	10 (3.0)	200/150	60/60	0.025-3/64 (0.6-1.2)				
	K2950-2	15 (4.5)							
Magnum® PRO Curve™ 200 Ready-Pak®	K2950-2-10-45 <sup>(1)</sup>	15 (4.5)	200/150	60/60	0.025-3/64 (0.6-1.2)				
	K2950-2-FM-45								
Magnum® PRO Curve™ 300 Series	K2951-1	10 (3.0)	300/200	60/60	0.025-5/64 (0.6-2.0)				
	K2951-2	15 (4.5)							
	K2951-3	20 (6.1)							
	K2951-4	25 (7.6)							
Magnum® PRO Curve™ 300 Dual Procedure (Switch Control)	K3130-1	10 (3.0)	300/200	60/60	0.025-5/64 (0.6-2.0)				
	K3130-2	15 (4.5)							
	K3130-3	20 (6.1)							
	K3130-4	25 (7.6)							
Magnum® PRO Curve™ 300 Dual Schedule (Trigger Control)	K3092-1	10 (3.0)	300/200	60/60	0.025-5/64 (0.6-2.0)				
	K3092-2	15 (4.5)							
	K3092-3	20 (6.1)							
	K3092-4	25 (7.6)							
Magnum® PRO Curve™ 300 Ready-Pak®	K2950-1	10 (3.0)	300/200	60/60	0.025-5/64 (0.6-2.0)				
	K2951-2-3-45	15 (4.5)							
	K2951-2-FM-45	15 (4.5)							
	K2951-2-6-45 <sup>(1)</sup>	15 (4.5)							
	K2951-2-10-45 <sup>(1)</sup>	15 (4.5)							
Magnum® PRO Curve™ 400 Series	K2952-1	10 (3.0)	400/400	60/50	0.025-5/64 (0.6-2.0)				
	K2952-2	15 (4.5)							
	K2952-3	20 (6.1)							
	K2952-4	25 (7.6)							
	Magnum® PRO Curve™ 400 Dual Procedure (Switch Control)	K3098-1				10 (3.0)	400/400	60/50	0.025-5/64 (0.6-2.0)
		K3098-2				15 (4.5)			
		K3098-3				20 (6.1)			
		K3098-4				25 (7.6)			
	Magnum® PRO Curve™ 400 Dual Schedule (Trigger Control)	K3093-1				10 (3.0)	400/400	60/50	0.025-5/64 (0.6-2.0)
		K3093-2				15 (4.5)			
K3093-3		20 (6.1)							
K3093-4		25 (7.6)							
Magnum® PRO Curve™ 400 Short Neck	K3055-1	10 (3.0)	400/400	60/50	0.025-5/64 (0.6-2.0)				
	K3055-2	15 (4.5)							
	K3055-3	20 (6.1)							
	K3055-4	25 (7.6)							
	K3055-2-10-45	15 (4.5)							
	K3055-2-6-45	15 (4.5)							
Magnum® PRO Curve™ 400 Ready-Pak®	K2952-2-1-116-550	15 (4.5)	400/400	60/50	0.025-5/64 (0.6-2.0)				
	K2952-2-1-564-550	15 (4.5)							
	K2952-2-10-45 <sup>(1)</sup>	15 (4.5)							
	K2952-2-10-45-550	15 (4.5)							
	K2952-2-3-45	15 (4.5)							
	K2952-2-3-45-550	15 (4.5)							
	K2952-2-6-45	15 (4.5)							
	K2952-2-FM-45	15 (4.5)							
	K2952-3-10-45-550	20 (6.1)							
	K2952-3-3-45	20 (6.1)							
	K2952-3-3-45-550	20 (6.1)							
	K2952-3-6-45	20 (6.1)							

## Magnum® PRO Series

### Robust Guns Configured for Any Application

- Built for extreme environment welding where heat-resistance and fast serviceability are key
- Rated at 100% duty cycle
- High quality copper and aircraft grade aluminum parts ensure superior electrical contact and heat dissipation
- Barrel-style handle is lightweight and balanced, providing a comfortable grip to reduce fatigue no matter how you hold the gun
- Internal bolted connections and dual trigger leads for faster repairs and less downtime



Shown: Magnum® PRO Barrel 550 Gun

#### Processes

- MIG
- Pulsed MIG
- Flux-Cored

#### Literature

E12.01

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps) CO <sub>2</sub> /Mixed	Duty Cycle (%) CO <sub>2</sub> /Mixed	Wire Diameter Range in (mm)
<b>Magnum® PRO 250 Gun</b>	K2651-1	10 (3.0)	250/250	100/100	0.035-5/64 (0.9-2.0)
	K2651-2	15 (4.5)			
	K2651-3	20 (6.1)			
	K2651-4	25 (7.6)			
<b>Magnum® PRO 250 Ready-Pak®</b>	K2651-2-6-45 <sup>(1)</sup>	15 (4.5)			0.035-0.045 (0.9-1.2)
<b>Magnum® PRO 350 Gun</b>	K2652-1	10 (3.0)	350/285	100/100	0.035-5/64 (0.9-2.0)
	K2652-2	15 (4.5)			
	K2652-3	20 (6.1)			
	K2652-4	25 (7.6)			
<b>Magnum® PRO 350 Dual Procedure (Switch Control)</b>	K3131-1	10 (3.0)			
	K3131-2	15 (4.5)			
	K3131-3	20 (6.1)			
	K3131-4	25 (7.6)			
<b>Magnum® PRO 350 Dual Schedule (Trigger Control)</b>	K3132-1	10 (3.0)			
	K3132-2	15 (4.5)			
	K3132-3	20 (6.1)			
	K3132-4	25 (7.6)			
<b>Magnum® PRO 350 Ready-Pak®</b>	K2652-2-10-45 <sup>(1)</sup>	15 (4.5)			0.035-0.045 (0.9-1.2)
<b>Magnum® PRO 450 Gun</b>	K2653-1	10 (3.0)	450/325	100/100	0.035-5/64 (0.9-2.0)
	K2653-2	15 (4.5)			
	K2653-3	20 (6.1)			
	K2653-4	25 (7.6)			
<b>Magnum® PRO 450 Dual Procedure (Switch Control)</b>	K3133-1	10 (3.0)			
	K3133-2	15 (4.5)			
	K3133-3	20 (6.1)			
	K3133-4	25 (7.6)			
<b>Magnum® PRO 450 Dual Schedule (Trigger Control)</b>	K3134-1	10 (3.0)			
	K3134-2	15 (4.5)			
	K3134-3	20 (6.1)			
	K3134-4	25 (7.6)			
<b>Magnum® PRO 450 Ready-Pak®</b>	K2653-2-10-45 <sup>(1)</sup>	15 (4.5)			0.035-0.045 (0.9-1.2)

<sup>(1)</sup>Includes 0.035-0.045 in. (0.9-1.2 mm) liner and K466-6 connector kit

## Magnum® PRO Series, con't.

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps) CO <sub>2</sub> / Mixed	Duty Cycle (%) CO <sub>2</sub> / Mixed	Wire Diameter Range in (mm)
Magnum® PRO 550 Gun	K2655-1	10 (3.0)	550/375	100/100	0.035-1/8 (0.9-3.2)
	K2655-2	15 (4.5)			
	K2655-3	20 (6.1)			
	K2655-4	25 (7.6)			
Magnum® PRO 550 Gun Dual Procedure (Switch Control)	K3135-1	10 (3.0)	550/375	100/100	0.035-1/8 (0.9-3.2)
	K3135-2	15 (4.5)			
	K3135-3	20 (6.1)			
	K3135-4	25 (7.6)			
Magnum® PRO 550 Gun Dual Schedule (Trigger Control)	K3136-1	10 (3.0)	550/375	100/100	0.035-1/8 (0.9-3.2)
	K3136-2	15 (4.5)			
	K3136-3	20 (6.1)			
	K3136-4	25 (7.6)			

## Magnum® Arc Welding Guns

### Classic Gas-Shielded Guns

- The one-piece modular trigger assembly is molded out of high heat resistant material to withstand heat and spatter and ensure long life
- Rotating gun tube and gun hanger clip
- Rated at 60% duty cycle



#### Processes

- MIG
- Pulsed MIG
- Flux-Cored

#### Literature

E12.10

Product Name	Cut Length ft (m)	Wire Diameter, in (mm)											
		0.025-0.035 (0.6-0.9)			0.035-0.045 (0.9-1.2)			0.052-1/16 (1.3-1.6)			1/16-5/64 (1.6-2.0)		
		Open-End	Fast-Mate™	Package	Open-End	Fast-Mate™	Package	Open-End	Fast-Mate™	Package	Open-End	Fast-Mate™	Package

#### Magnum® Guns Series

100L	10 (3.0)			K530-5			K530-3 (FCAW-SS only)						
				K530-6 <sup>(1)</sup>									
200	10 (3.0)				K497-2								
	15 (4.5)				K497-1	K498-1	K497-21 <sup>(3)</sup>						
300	10 (3.0)				K470-1								
	15 (4.5)				K470-2		K1802-1 <sup>(2)</sup>	K470-4			K470-6		
400 Standard	10 (3.0)				K471-1								
	15 (4.5)				K471-2	K479-2	K2286-1 <sup>(2)</sup> K471-21 <sup>(3)</sup>	K471-4	K479-4	K471-22 <sup>(3)</sup>	K471-6	K479-6	
	20 (6.1)				K471-10			K471-11					
	25 (7.6)				K471-13			K471-14			471-15		
400 Dual Schedule	15 (4.5)								K575-2				
400 Dual Procedure	15 (4.5)				K1722-2								
400 Short Neck	15 (4.5)				K541-3								
450WC	15 (4.5)						K684-12 <sup>(4)</sup>			K684-12 <sup>(4)</sup>		K684-12 <sup>(4)</sup>	
550	15 (4.5)							K598-7			K598-11 <sup>(5)</sup>		

Magnum® 100L » <sup>(1)</sup>Includes 4-pin MS-Type connection for trigger control

Magnum® 200 » <sup>(2)</sup>Includes K466-1 Connector Kit

Magnum® 300 » <sup>(3)</sup>Includes K466-10 Connector Kit

Magnum® 400 Standard » <sup>(2)</sup>Includes K466-1 Connector Kit <sup>(3)</sup>Includes K466-10 Connector Kit

Magnum® 450WC » <sup>(4)</sup>0.035-1/16 in. (0.9-1.6 mm) Solid Wire, 0.045-5/64 in. (1.2-2.0 mm) Flux-Cored Wire

Magnum® 550 » <sup>(5)</sup>600A Open End 5/64-3/32 in. (2.0-2.4 mm) Solid Wire



## Magnum® PRO Water-Cooled Guns

### Improving Comfort and Performance

- Runs at 100% duty cycle using 90/10 mixed gas, making them ideal for high heat applications
- The large diameter and mass of the Magnum® PRO Copper Plus™ contact tips help disperse heat and keep the tips cooler, expanding their life
- The 500A water-cooled gooseneck design keeps the nozzle cool in high-heat applications
- The soft rubber over molding enhances comfort and allows for an easier grip of the gun



Shown: Magnum® PRO  
500A Water-Cooled Gun

#### Processes

- MIG
- Pulsed MIG
- Flux-Cored
- Hyperfill

#### Literature

E12.06

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps) Mixed Gas	Duty Cycle (%) Mixed Gas	Wire Diameter Range in (mm)
<b>Magnum® PRO 400 Water-Cooled Gun</b>					
Tweco® Backend	K4521-2-10-45	15 (4.5)	400	100	0.035-5/64 (0.9-2.0)
Fast-Mate™ Backend	K4521-2-FM-45				
<b>Magnum® PRO 500 Water-Cooled Gun</b>					
Tweco® Backend	K4522-2-10-45	15 (4.5)	500	100	0.035-5/64 (0.9-2.0)
	K4522-1-10-45	10 (3.0)			
	K4522-2-10-564	15 (4.5)			
	K4522-3-10-45	20 (6.1)			
	K4522-4-10-45	25 (7.6)			
	K4885-2-10-332	15 (4.5)			
Fast-Mate™ Backend	K4522-2-FM-45	15 (4.5)	500	100	0.035-5/64 (0.9-2.0)
	K4522-1-FM-45	10 (3.0)			
	K4522-3-FM-45	20 (6.1)			
	K4522-4-FM-45	25 (7.6)			
	K4885-2-FM-332	15 (4.5)			

\*Note that K4885-2-XX-332 guns come with an extended length gun tube

## Magnum® PRO Barrel 500 Water-Cooled Guns

### Designed to Tackle High Heat Applications

- Rated at 100% duty cycle using 90/10 mixed gas, making them ideal for heavy duty applications
- The large diameter and mass of the Magnum® PRO Copper Plus® contact tips help disperse heat and keep the tips cooler longer
- The barrel-style handle was designed to be used as a "trigger-on-top" welding gun
- Dual Procedure option available for changing between weld procedures on the fly



#### Processes

- MIG
- Pulsed MIG
- Flux-Cored
- HyperFill

#### Literature

E12.380

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps) Mixed Gas	Duty Cycle (%) Mixed Gas	Wire Diameter Range in (mm)
<b>Magnum® PRO Barrel 500 Water-Cooled Gun</b>	K4879-2-10-564	15 (4.5)	500	100	.035-3/32 (0.9-2.4)
	K4879-3-10-564	20 (6.1)			
	K4879-4-10-564	25 (7.6)			
<b>Magnum® PRO Barrel 500 Water-Cooled Gun - with Dual Procedure Switch</b>	K4880-2-10-564	15 (4.5)	500	100	.035-3/32 (0.9-2.4)
	K4880-3-10-564	20 (6.1)			
	K4880-4-10-564	25 (7.6)			

## Magnum® PRO Fume Guns

### Semiautomatic Air-Cooled Fume Extraction Guns

- Rated at 100% duty cycle
- Innovative Strain Relief - Swivels to take pressure off the operator's wrist
- Copper Plus® contact tips feature a larger tip diameter that expands life and decreases tip changes
- Dual trigger leads for faster repairs and less downtime
- Anti-Seize™ tip and diffuser improve heat dissipation and increase part service life



#### Processes

- MIG
- Pulsed MIG
- Flux-Cored

#### Literature

E12.02

Product Name	Product Number	Cable Length ft (m)	Rated Current (Amps) CO <sub>2</sub> /Mixed	Duty Cycle (%) CO <sub>2</sub> /Mixed	Wire Diameter Range in (mm)
Magnum® PRO Fume Gun 550 <sup>®</sup>	K2650-1	15 (4.5)	550/375	100/100	0.035-1/8 (0.9-3.2)

## K126™ PRO Innershield 350A Guns

### The Leader in Construction Welding Guns

- Replaceable liner system
- Interchangeable gun connectors expand compatibility to a wide range of feeders
- Integrated trigger leads in coaxial cable improve protection against abrasion
- Stainless steel gun tube jacket resists spatter and extends life
- Available with a variety of reverse and non-reverse gun tube jackets



#### Processes

- Flux-Cored Self-Shielded

#### Literature

E12.111

Product Name	Product Number	Gooseneck Angle	Gun Connector Power Pin	Amperage Rating 60% Duty Cycle	Wire Diameter Range in (mm)	Cable Length ft (m)
K126™ PRO	K126-10	62°	Lincoln Electric K613-6	350	0.035-0.120 (0.9-3.0)	10 (3.0)
	K126-11		Tweco® #4 K466-10			15 (4.5)
	K126-12					
	K126-13	30°	Lincoln Electric K613-6			

## Classic Innershield® Guns

### Classic Flux-Cored Self-Shielded Guns

- Rugged and reliable, while remaining lightweight, flexible and maneuverable
- A number of models are offered for amperage ratings from 350 to 600 amps
- Rated at 60% duty cycle



#### Processes

- Flux-Cored Self-Shielded

#### Literature

E12.110

Product Name	Rated Current @ 60% Duty Cycle	Length ft (m)	Feeding Capability – Wire Diameter, in (mm)							Tube Angle	
			0.062 (1.6)	1/16 (1.6)	0.068 (1.7)	0.072 (1.8)	5/64 (2.0)	3/32 (2.4)	7/64 (2.8)		0.120 (3.0)
K126-1 Classic	350A	10 (3.0)	•	•	•	•	•	•			62°
K126-2 Classic		15 (4.5)	•	•	•	•	•	•			
K345-10		10 (3.0)			•	•	•				90°
K115-1	450A	10 (3.0)							•	•	82°
K115-2		15 (4.5)						•	•	•	
K115-3		10 (3.0)						•			
K115-4		15 (4.5)						•			
K115-8		15 (4.5)							•	•	45°
K115-10		15 (4.5)						•			
K116-2	600A	15 (4.5)							•	•	Straight

## Submerged Arc Guns

### For Hand-Held Submerged Arc Applications

- Suitable for 5/64 and 3/32 in. (2.0 and 2.4 mm) wire diameters
- Ideal for shorter submerged arc welds, or for submerged arc welds with poor fit-up that are better addressed by an operator than an automated setup
- Rated 600 amps



#### Processes

- Submerged Arc

#### Literature

lincolnelectric.com

Product Name	Product Number	Rated Current (Amps)	Wire Diameter Range in (mm)	Cable Length ft (m)
Submerged Arc Gun	K113-1	600	5/64 (2.0)	15 (4.5)
	K113-2	600	3/32 (2.4)	15 (4.5)
Mechanized Submerged Arc Gun	K114	600	5/64-3/32 (2.0-2.4)	15 (4.5)

## Magnum® PRO Robotic Guns

Designed For Long Life.

### Hexagon-Shaped Connector Design Ensures Better Electrical Conductivity and Prevents Micro-Arcing:

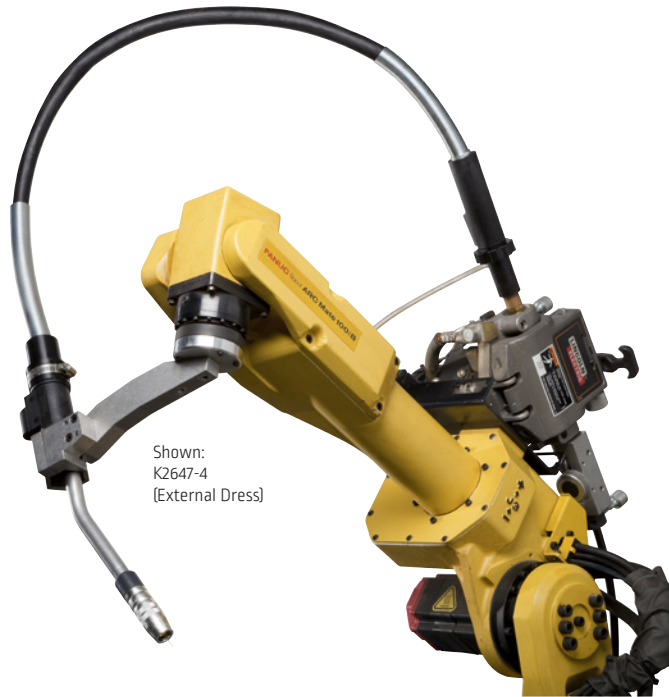
- Cables exceed industry standards by a factor of two in durability
- Utilizes Magnum® PRO expendables that increase the amount of arc-on time
- Extended Life™ contact tips are designed with a chrome zirconium alloy to prevent annealing and wear
- Gun tube to diffuser interface design helps withstand more accidental crashes than traditional gun tubes
- Changing between 350A and 550A expendables does not alter the robot TCP, and parts are interchangeable between all gun models

#### Processes

- MIG
- Pulsed MIG
- Flux-Cored

#### Literature

E12.03



Shown:  
K2647-4  
(External Dress)

## Specifications

Product Name	Product Number	Wire Diameter Range : in (mm)	Rated Current (Amps) @ Duty Cycle (CO <sub>2</sub> )	Cable Length ft. (m)
<b>External Dress Air Cooled</b>				
Magnum® PRO Robotic 550	K2647-4	0.035-5/64 (0.9-2.0)	550 @ 100%	4 (1.2)
Magnum® PRO Robotic 550	K2647-4L			4 (1.2)
Magnum® PRO Robotic 550	K2647-5L			5.5 (1.7)
Magnum® PRO Robotic 550	K2647-8			8 (2.4)
Magnum® PRO Robotic 550	K2647-11			11 (3.3)
<b>Thru-Arm Air Cooled (includes Nose Cone, Housing, and Cable Assembly)</b>				
Magnum® PRO Thru-Arm Robotic 550 (100iC)	K3353-100iC	0.035-5/64 (0.9-2.0)	550 @ 100%	Predetermined length per robotic arm selection
Magnum® PRO Thru-Arm Robotic 550 (100iC) w/wire brake	K3353-100iCW			
Magnum® PRO Thru-Arm Robotic 550 (120iC)	K3353-120iC			
Magnum® PRO Thru-Arm Robotic 550 (120iC) w/wire brake	K3353-120iCW			
Magnum® PRO Thru-Arm Robotic 550 (100iC/6L)	K3353-100iC/6L			
Magnum® PRO Thru-Arm Robotic 550 (100iC/6L) w/wire brake	K3353-100iC/6LW			
Magnum® PRO Thru-Arm Robotic 550 (120iC/10L)	K3353-120iC/10L			
Magnum® PRO Thru-Arm Robotic 550 (120iC/10L) w/wire brake	K3353-120iC/10LW			

## Magnum® PRO Robotic Guns

### Specifications

Product Name	Product Number	Wire Diameter Range : in (mm)	Rated Current (Amps) @ Duty Cycle (CO <sub>2</sub> )	Cable Length ft. (m)
<b>Thru-Arm Air-Cooled Ready-Pak®</b>				
FANUC® 100iC Ready-Pak®	K3359-100iC	0.035-5/64 (0.9-2.0)	550 @ 100%	Predetermined length per robotic arm selection
w/Air Blast	K3359-100iCA			
w/Wire Brake	K3359-100iCW			
FANUC® 100iC/6L Ready-Pak®	K3359-100iC/6L			
w/Air Blast	K3359-100iC/6LA			
w/Wire Brake	K3359-100iC/6LW			
FANUC® 100iC/8L Ready-Pak®	K3359-100iC/8L			
FANUC® 100iD	K3359-100iD			
w/Air Blast	K3359-100iDA			
w/Wire Brake	K3359-100iDW			
FANUC® 100iD/10L & 120iD	K3359-100iD/10L			
w/Air Blast	K3359-100iD/10LA			
w/Wire Brake	K3359-100iD/10LW			
KUKA® KR8R2100HW	K3359-KR8R2100HW			
w/Air Blast	K3359-KR8R2100HWA			
w/Wire Brake	K3359-KR8R2100HWW			
FANUC® 120iC Ready-Pak®	K3359-120iC			
w/Air Blast	K3359-120iCA			
w/Wire Brake	K3359-120iCW			
FANUC® 120iC/10L Ready-Pak®	K3359-120iC/10L			
w/Air Blast	K3359-120iC/10LA			
w/Wire Brake	K3359-120iC/10LW			
FANUC® M710iC/12L Ready-Pak®	K3359-M710iC/12L			
Motoman® MA1440 Ready-Pak®	K3359-MA1440			
w/Air Blast	K3359-MA1440A			
w/Wire Brake	K3359-MA1440W			
Motoman® MA2010 Ready-Pak®	K3359-MA2010			
w/Air Blast	K3359-MA2010A			
w/Wire Brake	K3359-MA2010W			
ABB® IRB1520ID Ready-Pak®	K3359-1520ID			
w/Air Blast	K3359-1520IDA			
w/Wire Brake	K3359-1520IDW			
ABB® IRB1600ID Ready-Pak®	K3359-1600ID			
w/Air Blast	K3359-1600IDA			
w/Wire Brake	K3359-1600IDW			
ABB® IRB1660ID Ready-Pak®	K3359-1660ID			
w/Air Blast	K3359-1660IDA			
w/Wire Brake	K3359-1660IDW			
ABB® IRB2600ID-8/2.0 Ready-Pak®	K3359-2600ID-20			
ABB® IRB2600ID-15/1.85 Ready-Pak®	K3359-2600ID-185			
KUKA® KR6-R1820-HW Ready-Pak®	K3359-KR6R1820HW			
w/Air Blast	K3359-KR6R1820HWA			
w/Wire Brake	K3359-KR6R1820HWW			
KUKA® KR8-R1420-HW Ready-Pak®	K3359-KR8R1420HW			
w/Air Blast	K3359-KR8R1420HWA			
w/Wire Brake	K3359-KR8R1420HWW			



## Magnum® PRO Water-Cooled Robotic Torches

Runs Cooler, Lasts Longer.

- Rated at 100% duty cycle at 525A with 90/10 mixed gas
- Conduction and convection cooling near the end of the torch keeps expendables cool. This expands the life of the expendables, increases the amount of arc-on time, and lowers replacement parts costs
- The gun tubes are designed with a robust inner and outer sheath that minimize damage upon crashing and improves TCP repeatability
- The unique design of the gun tubes cools both the inner and outer sheath of material. This allows the outside of the gun tubes to remain cool, which minimizes the amount of spatter that adheres to the gun tubes



Shown: Magnum® PRO Water-Cooled Robotic Torch

### Processes

- MIG
- Pulsed MIG
- Flux-Cored
- Hyperfill

### Literature

E12.07

Product Name	Product Number	Wire Diameter Range : in (mm)	Rated Current [Amps] @ Duty Cycle [Mixed Gas]
<b>Magnum® PRO Water-Cooled FANUC® Robotic Torches</b>			
FANUC® 100iC/6L Robotic Torch One-Pak®	K3593-1	0.035-5/64 (0.9-2.0)	525 @ 100%
FANUC® 100iC/6L Robotic Torch One-Pak® w/Air Blast	K3593-1A		
FANUC® 120iC/10L Robotic Torch One-Pak®	K3593-2		
FANUC® 120iC/10L Robotic Torch One-Pak® w/Air Blast	K3593-2A		
FANUC® 100iC Robotic Torch One-Pak®	K3593-3		
FANUC® 100iC Robotic Torch One-Pak® w/Air Blast	K3593-3A		
FANUC® 100iC/8L Robotic Torch One-Pak®	K3593-4		
FANUC® 100iC/8L Robotic Torch One-Pak® w/Air Blast	K3593-4A		
FANUC® 120iC Robotic Torch One-Pak®	K3593-5		
FANUC® M710iC/12L Robotic Torch One-Pak®	K3593-6		
FANUC® M710iC/12L Robotic Torch One-Pak® w/Air Blast	K3593-6A		
FANUC® 100iD Robotic Torch One-Pak®	K3593-7		
FANUC® 100iD Robotic Torch One-Pak® w/Air Blast	K3593-7A		
FANUC® 100iD/10L Robotic Torch One-Pak®	K3593-8		
FANUC® 100iD/10L Robotic Torch One-Pak® w/Air Blast	K3593-8A		
FANUC® 100iD/8L Torch One-Pak®	K3593-9		
FANUC® 100iD/8L Torch One-Pak® w/Air Blast	K3593-9A		
FANUC® M710iC/12L Torch One-Pak®	K3593-10		
FANUC® M710iC/12L Torch One-Pak® w/Air Blast	K3593-10A		
FANUC® 120iD/12L Torch One-Pak®	K3593-29		
FANUC® 120iD/12L Torch One-Pak® w/Air Blast	K3593-29A		
<b>Magnum® PRO Water-Cooled ABB® IRB Robotic Torches</b>			
ABB® IRB 1520ID Robotic Torch One-Pak®	K3593-12	0.035-5/64 (0.9-2.0)	525 @ 100%
ABB® IRB 1520ID Robotic Torch One-Pak® w/Air Blast	K3593-12A		
ABB® IRB 1660ID Robotic Torch One-Pak®	K3593-14		
ABB® IRB 1660ID Robotic Torch One-Pak® w/Air Blast	K3593-14A		
ABB® IRB 2600ID-15/1.85 Robotic Torch One-Pak®	K3593-15		
ABB® IRB 2600ID-15/1.85 Robotic Torch One-Pak® w/Air Blast	K3593-15A		
ABB® IRB 2600ID-8/2.0 Robotic Torch One-Pak®	K3593-16		
ABB® IRB 2600ID-8/2.0 Robotic Torch One-Pak® w/Air Blast	K3593-16A		
<b>Magnum® PRO Water-Cooled KUKA® Robotic Torches</b>			
KUKA® KR6R1820HW Robotic Torch One-Pak®	K3593-20	0.035-5/64 (0.9-2.0)	525 @ 100%
KUKA® KR6R1820HW Robotic Torch One-Pak® w/Air Blast	K3593-20A		
KUKA® KR8R1420HW Robotic Torch One-Pak®	K3593-21		
KUKA® KR8R1420HW Robotic Torch One-Pak® w/Air Blast	K3593-21A		
KUKA® KR8R2100HW Robotic Torch One-Pak®	K3593-22		
KUKA® KR8R2100HW Robotic Torch One-Pak® w/Air Blast	K3593-22A		

## Magnum® PRO Water-Cooled Robotic Guns, con't.

Product Name	Product Number	Wire Diameter Range : in (mm)	Rated Current (Amps) @ Duty Cycle (CO <sub>2</sub> )
<b>Magnum® PRO Water-Cooled Motoman Robotic Torches</b>			
Motoman® MA1440 (w/K2685-1 feeder) Robotic Torch One-Pak®	K3593-23	0.035-5/64 (0.9-2.0)	525 @ 100%
Motoman® MA1440 (w/K2685-1 feeder) Robotic Torch One-Pak® w/Air Blast	K3593-23A		
Motoman® MA2010 Robotic Torch One-Pak®	K3593-24		
Motoman® MA2010 Robotic Torch One-Pak® w/Air Blast	K3593-24A		
Motoman® MA1440 (w/K3561-1) Robotic Torch One-Pak®	K3593-28		
Motoman® MA1440 (w/K3561-1) Robotic Torch One-Pak® w/Air Blast	K3593-28A		

## Magnum® PRO Water-Cooled External Dress Robotic Torch One-Pak®

Runs Cooler. Lasts Longer.

- Runs at 100% duty cycle at 650A with 90/10 mixed gas
- Conduction and convection cooling near the end of the torch keeps expendables cool which expands the life of the expendables, increases the amount of arc-on time, and lowers replacement parts costs
- The unique design of the gun tubes cools both the inner and outer sheath of material minimizing the amount of spatter that adheres to the gun tubes



- **Processes**
  - MIG
  - Pulsed MIG
  - FCAW
- **Output**
- **Input**
- **Literature**
  - e12.07

Product Name	Product Number	Length ft (m)	Wire Size Range in (mm)	Rated Current/ Duty Cycle	Type
<b>Magnum® PRO Water-Cooled External Dress Robotic Torch One-Pak®</b>	K5415-4	4 (1.2)	0.035 - 3/32 (0.9-2.0)	100% @ 650A	Standard
	K5415-4W				Wire Brake
	K5415-4L	4.5 (1.4)			Standard
	K5415-4LW				Wire Brake
	K5415-5L	5.5 (1.7)			Standard
	K5415-5LW				Wire Brake
	K5415-6L	6.5 (2.0)			Standard
	K5415-6LW				Wire Brake
	K5415-8	8 (2.4)			Standard
	K5415-8W				Wire Brake
	K5415-9L	9.5 (2.9)			Standard
	K5415-9LW				Wire Brake
	K5415-11	11 (3.4)			Standard
	K5415-11W				Wire Brake

## Magnum® PRO 650A Water-Cooled Mechanized Torch

### Extreme Durability for Hard-Automation

- Designed to withstand and perform in high-temp, high-amperage applications
- Flexible mounting options for easy integration within a new or existing mechanized solution
- Premium expendable performance with our field-proven, long-lasting Magnum® PRO expendable
- Specifically engineered to be the ideal solution for our patented HyperFill® or Process HDT™ weld processes



#### Processes

- MIG
- Pulsed MIG
- FCAW
- HyperFill

#### Literature

E12.405

Product Name	Product Number	Length ft (m)	Wire Size Range in (mm)	Rated Current @ Duty Cycle
Magnum® PRO 650A Water-Cooled Mechanized Torch	K5333-3-10-564	3 [0.914]	0.035-3/32 [0.9-2.4]	650A @100%
	K5333-5-10-564	5 [1.5]		
	K5333-8-10-564	8 [2.4]		
	K5333-10-10-564	10 [3.0]		
	K5333-10-FM-564			
	K5333-15-10-564	15 [4.6]		
	K5333-15-FM-564			
	K5333-25-10-564	25 [7.6]		

## Magnum® SG Spool Gun

### Full-Control Wire Feeding

- Large handle and trigger for easy use with gloved hands
- Clear spool gun drive cover makes it easy to check the wire drive path
- Rugged nozzle designed to withstand harsh industrial environments
- 250 amp rating and generous 25 ft. (7.5 m) gun cable



#### Processes

- MIG

#### Literature

E12.22

Product Name	Product Number	Length ft (m)	Wire Size Range in (mm)	Rated Current/ Duty Cycle	Machine	Adapter
Magnum® SG Spool Gun	K487-25	25 (7.5)	.025-3/64 (0.6-1.2)	250A/60%	POWER MIG® 216	K2703-1
					POWER MIG® 256	K2445-1

## Magnum® PRO 100SG Spool Gun

### Precise Feeding Performance

- Lightweight and easy to use
- Ergonomic grip and balanced design
- Excellent trigger feedback, even through a welding glove
- No bulky adapter module required
- Premium Magnum® PRO expendable gun parts improve heat dissipation and extend life



#### Processes

- MIG

#### Literature

E12.20

Product Name	Product Number	Length ft (m)	Wire Size Range in (mm)	Rated Current/ Duty Cycle	Connection Type	Machine	Adapter
Magnum® PRO 100SG	K3269-1	10 (3.0)	0.030-0.035 (0.8-0.9)	130A/30%	4-Pin	Power MIG® 211i Power MIG® 215MPi SP-140T	None
	K4360-1				8-Pin	POWER MIG® 140MP MIG-Pak® 140 LE31MP	

## Magnum® PRO 250LX™ Spool Gun

### Versatility Without Hassle

- For home, farm, small shop projects, autobody work and light maintenance or repair
- Utilizes Magnum® PRO expendables that increase the amount of arc-on time
- Connects easily and effectively to multiple MIG machines
- Adjust wire speed remotely at the gun for fewer trips back to the power source
- Tool-less drive roll tension makes fine adjustments easy



#### Processes

- MIG
- Pulsed

#### Literature

E12.29

Product Name	Product Number	Length ft (m)	Wire Size Range in (mm)	Rated Current @ Duty Cycle	Machine	Adapter
Magnum® PRO 250LX™ Spool Gun	K3570-2	25 (7.5)	ALUMINUM: 0.030-3/64 (0.8-1.2)  STEEL: 0.025-0.035 (0.6-0.9)	MIXED GAS: 280A @ 60% 200A @ 100%	POWER MIG® 256	None
					POWER MIG® 260	None
					POWER MIG® 262	None
					POWER MIG® 350MP	K2703-1
					POWER MIG® 360MP	None
					Power Wave® C300	K2910-1

## Magnum® PRO 250LX™ GT Spool Gun

### Productivity Without Hassle

- Plugs directly into the Ranger® 260MPX™ and 330MPX™ without the need for an additional adapter, making setup easy
- Utilizes premium Magnum® PRO expendables for extended contact tip life, increasing the amount of arc-on time
- The built-in gas valve allows gas flow to be controlled at the trigger, making the gun compatible with machines that do not have internal solenoids
- Adjust wire speed remotely at the gun for fewer trips back to the power source
- Tool-less drive roll tension makes fine adjustments easy



#### Processes

- Aluminum MIG
- Steel MIG
- Pulsed MIG

#### Literature

E12.28

Product Name	Product Number	Length ft (m)	Wire Size Range in (mm)	Machine	Rated Current @ Duty Cycle
Magnum® PRO 250LX™ GT Spool Gun	K3569-2	25 (7.6)	ALUMINUM: 0.030-3/64 (0.8-1.2)  STEEL: 0.025-0.035 (0.6-0.9)	Ranger® 260MPX Ranger® 330MPX Ranger® Air 260MPX	MIXED GAS: 280A @ 60%  MIXED GAS: 200A @ 100%



## Cougar™ Semiautomatic Pistol-Grip Air-Cooled Push-Pull Guns

Comfortable Grip. Industrial Performance.

- Fatigue-reducing design is intended for operators who prefer an upright pistol-grip
- Sure-Grip™ handle is lightweight, balanced and fits comfortably in either hand
- Premium Magnum® PRO expendable gun parts improve heat dissipation and extend life
- Our slip-fit dual-groove drive rolls install without tools and feature a D-contour to prevent unwanted spinning



**Processes**

- MIG
- Pulsed MIG
- Flux-Cored

**Literature**

E12.16

Product Name	Product Number	Current Rated Current 100% Argon	Wire Diameter Range in (mm)	Cable Length ft (m)
<b>Cougar™ Pistol-Grip Air-Cooled Guns</b>				
7-pin	K2704-2	300A @ 60% Duty Cycle	0.035-1/16 (0.9-1.6)	25 (7.6)
	K2704-3			50 (15.2)

## Magnum® PRO AL Fixed Conduit 225 Air-Cooled Push-Pull Guns

Superior Features. Superior Feeding for Aluminum.

- Conduit liner is a fixed, rigid all-in-one liner which provides improved feeding of soft aluminum wire
- Can be used on any 7 pin machine or feeder when paired with the K2910-2 12 pin to 7 pin adapter
- Uses Magnum® PRO expendables common with all of our other Magnum® PRO MIG guns
- Rotatable Gun Tube - With 360° of rotation, these guns can tackle any welding joint configuration



**Processes**

- MIG
- Pulsed MIG for Aluminum

**Output**



**Input**



**Literature**

E12.14

Product Name	Product Number 12-Pin	Current Rated Current 100% Argon	Wire Diameter Range in (mm)	Cable Length ft (m)
<b>Magnum® PRO AL FC 225 Air-Cooled Push Pull Guns</b>				
Front Trigger	K4797-1	225A @ 60% Duty Cycle	0.035-1/16 (0.9-1.6) aluminum and cored wire	15 (4.6)
	K4797-2			25 (7.6)
	K4797-3			35 (10.7)
	K4797-4			50 (15.2)
Rear Trigger	K4795-1			15 (4.6)
	K4795-2			25 (7.6)
	K4795-3			35 (10.7)
	K4795-4			50 (15.2)

## Magnum® PRO AL Fixed Conduit 450 Water-Cooled Push-Pull Guns

Superior Features. Superior Feeding for Aluminum.

- Fixed Conduit Liner is a fixed, rigid all-in-one liner which provides improved feeding of soft aluminum wire and is backwards compatible with all Magnum® PRO AL Barrel Style Push-Pull Guns
- Can be used on any 7 pin machine or feeder when paired with the K2910-2 12 Pin to 7 Pin Adapter
- Uses Magnum® PRO expendables common with all of our other Magnum® PRO MIG guns
- With 360° of rotation, the Magnum® PRO AL FC Push-Pull Guns can tackle any welding joint configuration



**Processes**

- MIG
- Pulsed MIG for Aluminum

**Output**



**Input**



**Literature**

E12.14

Product Name	Product Number 12-Pin	Current Rated Current 100% Argon	Wire Diameter Range in (mm)	Cable Length ft (m)
<b>Magnum® PRO AL FC 450 Water-Cooled Push Pull Guns</b>				
<b>Rear Trigger</b>	K4796-1	450A @ 60% Duty Cycle	0.035-1/16 (0.9-1.6) aluminum and cored wire	15 (4.6)
	K4796-2			25 (7.6)
	K4796-3			35 (10.7)
	K4796-4			50 (15.2)
<b>Front Trigger</b>	K4798-1			15 (4.6)
	K4798-2			25 (7.6)
	K4798-3			35 (10.7)
	K4798-4			50 (15.2)

## Magnum® PRO AL Pistol Grip Push-Pull Guns

### A Lightweight Gun for Heavy-Duty Aluminum Work

- Superior push-pull wire feeding technology – Reduces friction in the wire feed path, resulting in smooth feeding and minimizing damage to the wire
- Quick-Change Liner – Simply remove the liner nut to easily access the liner
- Magnum® PRO expendables – Utilizes common expendables with all Magnum® PRO MIG Guns. 550A expendables are standard with the Magnum® PRO AL
- Lightweight, ergonomic handle – Intended for heavy duty work but light in weight with a well-balanced pistol grip to fit in either hand
- Recessed adjustment dial – Conveniently located at the rear of the handle to prevent a change while welding
- Removable drive roll cover – Easy access to wire and drive rolls



#### Processes

- MIG
- Pulsed MIG (for Aluminum)

#### Output



#### Input



#### Literature

E12.17

Product Name	Product Number 12-Pin	Current Rated Current 100% Argon	Wire Diameter Range in (mm)	Cable Length ft (m)
<b>Magnum® PRO AL Pistol Grip Push-Pull Guns</b>				
Pistol Air Model	K3478-1	220A @ 60% Duty Cycle	0.035-1/16 [0.9-1.6] Aluminum Wire	15 [4.6]
	K3478-2			25 [7.6]
	K3478-3			35 [10.7]
Pistol Water Model	K3479-1	320A @ 60% Duty Cycle	0.035-0.045 [0.9-1.2] Steel Wire	15 [4.6]
	K3479-2			25 [7.6]

## Magnum® PRO Curve™ 300 AL Push Gun

### Cost Effective Aluminum Welding

- Smooth feeding of larger diameter aluminum wire from the feeder to the work piece for up to 10 feet
- The rigid liner is designed to minimize resistance of the wire to prevent feeding issues
- An economical aluminum welding solution for short distance applications
- Our Curve™ handle is lightweight and balanced, providing a comfortable grip to reduce fatigue



#### Processes

- Aluminum MIG
- Pulsed MIG (For Aluminum)

#### Literature

E12.34

Product Name	Product Number	Cable Length	Rated Current (Amps) Argon	Duty Cycle [%] Argon	Wire Diameter Range In (mm)
Magnum® PRO Curve™ 300 AL Push Gun	K4700-1-6-116A	10 [3.0]	225	80	3/64 – 1/16 (1.2 – 1.6)
	K4700-1-10-116A				
	K4700-1-FM-116A				

## Caliber™ TIG Torches

### Premium Torches Designed for Durability and Ergonomics

- Choose Air-Cooled or Water-Cooled, determined by the amperage range your procedure requires
- Lightweight, ultra-flexible cables are nylon braided for ultimate flexibility and abrasion resistance
- All Caliber™ TIG Torches are compatible with industry standard front end TIG expendables
- Premium internal design and materials offer precise performance and superior longevity
- Lightweight, ergonomic handle made of durable nylon with inlaid silicone to improve grip and reduce finger fatigue



#### Processes

- TIG

#### Literature

E12.370

Product Name	Part Number	Torch Type	Torch Head Type	Duty Cycle Rating A	Cable Length ft (m)	Number of Cables	Cable Style	Cooling Type
<b>Caliber™ 9 Series Air-Cooled TIG Torch</b>	K4844-9-1	9 Series	Rigid	60% @ 125	12.5 (3.8)	1	Ultra-Flex	Air
	K4844-9F-1		Flexible					
	K4844-9FV-1		Flex/Valve					
	K4844-9-2		Rigid		25 (7.6)			
	K4844-9F-2		Flexible					
	K4844-9FV-2		Flex/Valve					
<b>Caliber™ 17 Series Air-Cooled TIG Torch</b>	K4841-17-1	17 Series	Rigid	60% @ 150	12.5 (3.8)			
	K4841-17F-1		Flexible					
	K4841-17FV-1		Flex/Valve					
	K4841-17-2		Rigid		25 (7.6)			
	K4841-17F-2		Flexible					
	K4841-17FV-2		Flex/Valve					
<b>Caliber™ 26 Series Air-Cooled TIG Torch</b>	K4842-26-1	26 Series	Rigid	60% @ 200	12.5 (3.8)			
	K4842-26F-1		Flexible					
	K4842-26FV-1		Flex/Valve					
	K4842-26-2		Rigid		25 (7.6)			
	K4842-26F-2		Flexible					
	K4842-26FV-2		Flex/Valve					
<b>Caliber™ 9 Series Air-Cooled TIG Torch Ready-Pak®</b>	K5340-9-1 <sup>(1)</sup>	9 Series	Rigid	60% @ 125A	12.5 (3.8)			
	K5340-9F-1 <sup>(1)</sup>		Flexible					
<b>Caliber™ 17 Series Air-Cooled TIG Torch Ready-Pak®</b>	K5339-17-1 <sup>(1)</sup>	17 Series	Rigid	60% @ 150A				
	K5339-17F-1 <sup>(1)</sup>		Flexible					
<b>Caliber™ 20 Series Air-Cooled TIG Torch Ready-Pak®</b>	K5359-20-2	20 Series	Rigid		25 (7.6)			
	K5359-20F-2		Flexible					
<b>Caliber™ 18 Series Water-Cooled TIG Torch</b>	K4843-18-1	18 Series	Rigid	100% @ 350	12.5 (3.8)	3		Water
	K4843-18F-1		Flexible					
	K4843-18-2		Rigid		25 (7.6)			
	K4843-18F-2		Flexible					
<b>Caliber™ 20 Series Water-Cooled TIG Torch</b>	K4845-20-1	20 Series	Rigid	100% @ 250	12.5 (3.8)			
	K4845-20F-1		Flexible					
	K4845-20-2		Rigid		25 (7.6)			
	K4845-20F-2		Flexible					
<b>Caliber™ 20 Series Water-Cooled TIG Torch Ready-Pak®</b>	K5359-20-2 <sup>(2)</sup>	20 Series	Rigid	100% @ 250	25 (7.6)			
	K5359-20F-2 <sup>(2)</sup>		Flexible					

(1) Ready-Pak® Torches come with front end expendables and connectors kit (K1622-1) needed to weld out of the box.

(2) Ready-Pak® Torches come with front end expendables and connectors kit (K1622-4) needed to weld out of the box.

## PRO-Torch™ TIG Torches

- Great choice for low amperage applications
- Available as a basic fixed head torch or also with Ultra-Flex™ cable for added maneuverability
- The knurled surface of the handle provides a solid non-slip grip and precise control of the torch
- Rated 125 amps at 60% duty cycle



### Processes

- TIG

### Literature

E12.150

	Part Number	Torch Type	Torch Head Type	Duty Cycle Rating A	Cable Length ft (m)	Number of Cables	Cable Style	Cooling Type
<b>PTA-9 Series</b>	K1781-1	9 Series	Rigid	60% @ 125	12.5 (3.8)	1	Standard	Air
	K1781-9 <sup>1</sup>		Flexible				Ultra-Flex™	
	K1782-16 <sup>1</sup>		Rigid					
<b>PTA-17 Series</b>	K1782-1	17 Series	Rigid	60% @ 150	12.5 (3.8)	1	Standard	
	K1782-12		Flexible				Ultra-Flex	
	K1782-14 <sup>1</sup>					Valve	1	
	K1782-15		Flex/Valve				1	
	K1782-6					Rigid	1	
	K1782-7		Flexible				1	
	K1782-13					Flex-Valve	1	
	K1782-3		Rigid				1	
	K1782-10					Flexible	1	
	K1782-18 <sup>1</sup>		Flex-Valve				1	
K1782-11		1		Standard				
<b>PTA-26 Series</b>	K1783-1	26 Series	Rigid	60% @ 200	12.5 (3.8)	1	Standard	
	K1783-7		Valve				2	
	K1783-3		Rigid			25 (7.6)	1	
	K1783-4						2	
	K1783-10		Flexible			1		
	K1783-9		Valve			2		
	K1783-11		Flex/Valve			1		
<b>PTW-18 Series</b>	K1784-1	18 Series	Rigid	100% @ 350	12.5 (3.8)	3	Standard	Water
	K1784-2				25 (7.6)			
<b>PTW-20 Series</b>	K1784-3	20 Series	Rigid	100% @ 250	12.5 (3.8)			
	K1784-4				25 (7.6)			
<b>PTA-26V Pipefitter Special TIG Torch</b>	K2504-1			200A @ 60%	12.5 (3.8)	1		

(1) Ready-Pak® Torches come with front end expendables and connectors kit (K1622-1) needed to weld out of the box.



## Machine Connection Guide - TIG Torches

Machine	Connection Type	9/17 Series 1 Cable	17/26 Series 2 Cables	26 Series 1 Cable	18/20 Series 3 Cables
Square Wave® TIG 200	35 mm Dinse® Gas Thru	K1622-1	-	K1622-3	-
Precision TIG® 225	35 mm Dinse® Gas Thru	K1622-1	-	K1622-3	K1622-4
Precision TIG® 275	5/8 in. Gas Thru	K2166-3	K2166-2	K2166-1	No Adapter Required
Precision TIG® 375	5/8 in. Gas Thru	K2166-3	K2166-2	K2166-1	No Adapter Required
Aspect® 230	35 mm Dinse® Gas Thru	K1622-1	-	K1622-3	K1622-5
Aspect® 375	35 mm Dinse® Gas Thru	K1622-1	-	K1622-3	K1622-5
POWER MIG® 210MP	35 mm Dinse® External Gas	K960-1	-	K1622-3 and K2505-1	-
POWER MIG® 360MP	1/2 in. Stud Terminals	K1622-1 and K2505-3	No Adapter Required	K1622-3 and K2505-3	-
Flextec® 350X/500X	Tweco® External Gas	K960-4	-	K960-3	K1622-6
Ranger® 260MPX™/330MPX™	1/2 in. Stud Terminals	K1622-1 and K2505-3	No Adapter Required	K1622-3 and K2505-3	-
Power Wave® 300C	35 mm Dinse Gas Thru	K1622-1	-	K1622-3	K1622-5
Power Wave® S350	Tweco® External Gas	K960-4	-	K960-3	K1622-6
Power Wave® S350/Adv. Module	35 mm Dinse® Gas Thru	K1622-1	-	K1622-3	K1622-5
Power Wave® S500	1/2 in. Stud Terminals	K1622-1 and K2505-3	-	K1622-3 and K2505-3	K1622-5 and K2505-3
Power Wave® S500/Adv. Module	35 mm Dinse® Gas Thru	K1622-1	-	K1622-3	K1622-5
PIPEFAB®	35 mm Dinse® Gas Thru	K1622-1	-	K1622-3	K1622-5
General Connection Types	1/2 in. Stud Terminals	K1622-1 and K2505-2	No Adapter Required	K1622-3 and K2505-2	K1622-4 and K2505-2
	25 mm Dinse® External Gas	K960-2	-	K1622-3 and K2505-1	-
	35 mm Dinse® Gas Thru	K1622-1	-	K1622-3	K1622-4
	35 mm Dinse® External Gas	K960-1	-	K1622-3 and K2505-1	-
	Tweco® External Gas	K960-4	-	K960-3	K1622-6



# CUTTING SOLUTIONS

**HAND-HELD PLASMA CUTTERS** » Tomahawk® 30 AIR · Tomahawk® 45 · Tomahawk® 1000 · Tomahawk® 1500

**MECHANIZED PLASMA CUTTING SYSTEMS** » FlexCut® 80 · FlexCut® 125 · FineLine® High Definition Plasma Cutting Systems

**CNC TABLE CUTTING SYSTEMS** » Torchmate® 4400 | 4800 | 4505 | 4510 · Torchmate® 4000TC · Torchmate® X Series · Torchmate® 5100 · Linc-Cut™ 3015 4kw System

**CNC TUBE & PIPE CUTTING SYSTEMS** » MASTERPIPE® Compact Profiler · Vernon Tool® MPM®

**ROBOTIC CNC STRUCTURAL STEEL PLASMA CUTTING SYSTEMS** » PythonX® STRUCTURAL

## Tomahawk® 30 AIR

### Plasma Cutting with Built-In Air

- Rated for up to 3/8 in. (9.5 mm) max cuts
- For on-site maintenance, small construction sites, air ducting installation, demo work and rental
- Internal air compressor enables operation in environments where external compressed air is not available
- Touch Start system provides reliable plasma arc initiation without high frequency and the Rapid Arc Restrike cuts through gaps fast
- Enhanced swirling airflow keeps the electrode and tip cool and increases the life of consumables



**Processes**

- Plasma Cutting

**Output**



**Input**



**Literature**

E11.500

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Air Pressure Required	Air Flow Rate	H x W x D in (mm)	Net Wt lb (kg)
Tomahawk® 30 AIR	K5457-1	230/1/60	25A/90V/100% 30A/92V/60%	16A (max)	15-30A	80 to 110 psi, (6-7.5 bar)	70psi @ 125-200SCFH (5 Bar @ 80 Liters/min)	15.2 x 8.5 x 18.9 (385 x 215 x 480)	40 (19)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Tomahawk® 45

### Plasma Cutting - Anywhere, Anytime

- Rated for up to 5/8 in. (15.9 mm) max cuts
- For on-site maintenance, small construction sites, air ducting installation, demo work and rental
- At only 28 pounds (12.7 kg), the Tomahawk® 45 is versatile and portable to any job site
- Simple yet reliable touch Start mechanism that eliminates many failure problems associated with high-frequency start systems
- The Parts-in-Place™ feature ensures consumables are in place before initiating the cutting or gouging process. Hook up the compressed air, grab the torch, and you're all set



**Processes**

- Plasma Cutting
- Gouging

**Output**



**Input**



**Literature**

E11.600

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Air Pressure Required	Air Flow Rate	H x W x D in (mm)	Net Wt lb (kg)
Tomahawk® 45	K5458-1	230/1/60	30A/92V/100% 40A/96V/60% 45A/98V/45%	23A (max)	15-45A	80 to 110 psi, (6-7.5 bar)	70psi @ 125-200SCFH (5 Bar @ 80 Liters/min)	15.2 x 8.5 x 18.9 (385 x 215 x 480)	28 (12.7)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Tomahawk® 1000

### Plasma Cutting for Production Capacity

- Ideal for plasma cutting and gouging materials including mild steel, brass, stainless steel, copper, and aluminum
- Rated for up to 1 in. (25.4 mm) max cuts
- Touch Start system assures reliable arc initiation without generating disruptive high-frequency radio waves
- Front panel purge control makes it easy to set the air flow rate without initiating the plasma arc
- PowerConnect® automatically senses and adjusts input power for a range of 200 up to 600 volts, single or three phase, 50 or 60 hertz



**Processes**

- Plasma Cutting
- Gouging

**Output**



**Input**



**Literature**

E11.300

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Air Pressure Required	Air Flow Rate	H x W x D in (mm)	Net Wt lb (kg)
<b>Tomahawk® 1000</b> w/25 ft. (7.6 m) Hand Torch	K2808-1	208-575/1/3/50/60	40A @ 96V 100% 60A @ 104V 50%	37.8 (Max.)  Pilot Current: 20A	20-60A	87-109 PSI (6.0-7.5 Bar)	80 psi @ 275 SCFH 5.5 Bar @ 130L/min.	15.2 x 8.5 x 22.1 (385 x 215 x 561)	45 (20.4) (without torch)



WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Tomahawk® 1500

### Small Setting, High Performance

- Heavy duty 100 amp, 60% duty cycle plasma cutting power source brings power and flexibility to hand-held torch cutting applications
- Hand-held cutting up to 1-1/4 in. (32 mm)
- Virtually dross-free cuts reduce parts clean-up
- Reliable arc starting without high frequency
- PowerConnect® Technology for automatic voltage sensing



**Processes**

- Plasma Cutting
- Gouging

**Output**



**Input**



**Literature**

E11.400

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Gas Pressure Required	Gas Flow Rate	H x W x D in (mm)	Net Wt lb (kg)
<b>Tomahawk® 1500</b> Base Model (w/o Torch)	K2809-1	200-208/230/380/460/575/3/50/60	60A/140V/100%  80A/140V/80%  100A/140V/60%	3PH/100% : 31/28/16/14/12 3PH/80% : 41/37/21/18/14 3PH/60% 49/43/27/22/18	25-100A	87 to 109 PSI (6.0-7.5 Bar)	380 SCFH @ 80 PSI  180 SLPM @ 5.5 Bar	17.9 x 11.8 x 25.4 (455 x 301 x 645)	96 (44)
w/25 ft (7.6 m) Hand Torch	K3477-1								
w/50 ft (15.2 m) Hand Torch	K3477-2	230/1/50/60  200-208/1/50/60	60A/140V/100% 80A/140V/80%  60A/140V/100% 80A/140V/60%	1PH/100% : 48 1PH/80% : 62  1PH/100% : 52 1PH/60% : 71	25-80A				

## Tomahawk® Handheld Plasma Torches

- Designed for plasma cutting and gouging materials including mild steel, stainless steel, aluminum, brass and copper
- Designed for optimal starting and performance



Shown: Tomahawk® LC105 Plasma Torch

**Processes**

- Plasma Cutting
- Gouging

**Output**



**Input**



**Literature**

E11.400

Product Name	Product Number	Replacement for	Cable Length ft (m)
Tomahawk® LC105	K2849-1	Tomahawk® 1500 Plasma Cutter	25 (7.5)
	K2849-2		50 (50)
Tomahawk® LC65	K2848-1	Tomahawk® 1000 Plasma Cutter	25 (7.5)
	K2848-2		50 (50)
Tomahawk® LC65M	K2848-3		25 (7.5)
Tomahawk® LC40	K2847-1	Tomahawk® 625 Plasma Cutter Tomahawk® 45 Plasma Cutter	20 (6)
Tomahawk® LC40M	K2847-2		
Tomahawk® LC25	K2846-1	Tomahawk® 375 AIR Plasma Cutter	10 (3)
Tomahawk® LC30	K5537-1	Tomahawk® 30 AIR Plasma Cutter	



## FlexCut® 80

Heavy-Duty, 80 Amps, 80% Duty Cycle

- Mechanized piercing up to 3/4 in. (19 mm)
- Maximize productivity with up to 65% faster cut speeds with less bevel than the competition
- Up to three times longer consumable life
- Reliable arc starting without high frequency
- For mechanized and hand held applications



**Processes**

- Plasma Cutting
- Gouging

**Cutting Type**

- Mechanized Cutting
- Hand Cutting

**Output**



**Input**



**Literature**

US70-020119RM1-03

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Gas Pressure Required	Gas Flow Rate	H x W x D in (mm)	Net Wt lb (kg)
FlexCut® 80 Base Model (w/o Torch)	K4809-1	200-208/230/380/460/575/3/50/60	60A/140V/100%  80A/140V/80%	3-Ph/100%: 31/28/16/14/12  3-Ph/80%: 41/37/21/18/14	25-80A	87-109 PSI (6.0-7.5 Bar)	380 SCFH @ 80 psi 180 SLPM @ 5.5 Bar	17.9 x 11.8 x 25.4 (455 x 301 x 645)	96 (44)
		230/1/50/60	60A/140V/100% 80A/140V/80%	1-Ph/100%: 48 1-Ph/80%: 62					
		200-208/1/50/60	60A/140V/100% 80A/140V/60%	1-Ph/100%: 52 1-Ph/60%: 71					

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## FlexCut® 125

Powerful, 125 Amps, 100% Duty Cycle

- Constant-current plasma cutting power source that delivers superior cut quality with minimal dross – which minimizes the need for secondary finishing operations
- Mechanized piercing of 1 in. (25 mm)
- Plasma cutting, gouging and marking capabilities
- Ensures up to six times longer consumable life and maintains faster cut speeds – both of which deliver higher productivity over less time
- Reliable arc starting without high frequency



**Processes**

- Plasma Cutting
- Plasma Marking

**Cutting Type**

- Mechanized Cutting

**Output**



**Input**



**Literature**

E11.320

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Rated Output: Current/Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Air Pressure Required	Air Flow Rate	H x W x D in (mm)	Net Wt lb (kg)
FlexCut® 125 Base Model (w/o Torch)	K4811-1	380/400/415/460/575/3/50/60	125A/175V/100%	3-Ph/100% 40/40/40/33/28	3-Ph 20-125A	90-120 PSI (6.21-8.27 Bar)	550 SCFH @ 90 psi  [260 SLPM @ 6.21 Bar]	20.72 x 12.25 x 25.53 (526 x 311 x 648)	118 (53.5)

NOTE: CE certified model available

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## FineLine® 170HD and 300HD High Definition Plasma Cutting Systems

### Precise Cuts for Downstream-Ready Production

- Exceptional cut quality when cutting on mild steel, stainless steel, and aluminum
- The combination of our advanced technology, patented Magnum® PRO LC300M plasma torch and consumables allow for more consistent cuts and a more optimal gas flow resulting in reduced operating costs
- Great for steel fabrication, pipe cutting, structural steel fabrication, automotive/transportation, maintenance and repair, shipbuilding and steel service centers



**Processes**

- Plasma Cutting
- Plasma Marking

**Output**



**Input**



**Literature**

US70-050421HR1-05

For more information, visit:  
<https://lincolnelectriccutting.com/fineLine>

Product Name	Input Power Voltage/Phase/ Hertz	Rated Output: Current/ Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	Cut Capacity In (mm)	H x W x D in (mm)	Net Wt lb (kg)
<b>FineLine® 170HD</b>	380-415/460/575v/ 3Ph/50/60Hz	170/210/100%	3PH/100%/ 69/58/53	20-170A	Mild Steel Production Capacity <sup>(1)</sup> 1.25 (30) Mild Steel Max Cutting Capacity <sup>(2)</sup> 2 (50) Stainless Steel Production Capacity <sup>(1)</sup> 1 (25) Stainless Steel Max Cutting Capacity <sup>(2)</sup> 1.5 (40) Aluminum Production Capacity <sup>(1)</sup> .75 (20) Aluminum Max Cutting Capacity <sup>(2)</sup> 1.5 (40)	50.40 x 33 x 36.93 (1280 x 838 x 938)	700 (318)
<b>FineLine® 300HD</b>	380-415/460/575v 3Ph/50/60Hz	300/210/100%	3PH/100%/ 123/108/95	20-300A	Mild Steel Production Capacity <sup>(1)</sup> 1.75 (45) Mild Steel Production Capacity 2 (50) <sup>(4)</sup> Mild Steel Max Cutting Capacity <sup>(2)</sup> 3 (75) Stainless Steel Production Capacity <sup>(1)</sup> 1.25 (32) Stainless Steel Max Cutting Capacity <sup>(2)</sup> 2 (50) Aluminum Production Capacity <sup>(1)</sup> 1 (25) Max Aluminum Cutting Capacity <sup>(2)</sup> 2 (50)		750 (340.2)

(1) Material type and composition can influence dross-free performance  
 (2) Maximum capacity pierce requires the use of precision torch height control  
 (4) Requires Advanced Process Controller (APC) option

## Torchmate® 4400, 4800, 4505, and 4510 Education Packages

### Add CNC Cutting to Your Program

- Ideal 2D cutting platform for schools, colleges and training centers
- Unlimited Software Licensing for students and one Master Teacher License
- Complete CNC system includes a plasma cutter and motion controls
- Torchmate® Visual Machine Designer™ software makes it easy to understand nesting, scanning, tool path concepts and more



**Processes**  
• CNC Plasma Cutting

**Literature**  
US70-1017221HR-09

**Supported by:**  
U/LINC™ curriculum

Product Name	Cutting Area ft (m)	Input Power amps/volts	Traverse Speed ipm (m/min)	Cut Speed ipm (m/min)	Machine Resolution in (µm)	Machine Size (footprint) in (mm)	Material Weight Capacity	Shipping Weight lb (kg)
Torchmate® 4400	16 (1.47)	15 amps @ 115v (table only)	500 (12.7)	500 (12.7)	0.0015	74 x 67 x 63 (1880 x 1702 x 1600)	48 x 48 in holds maximum of 652.8 lbs (40.8 lbs per square foot)	1,322 (600)
Torchmate® 4800	32 (2.94)					74 x 114 x 63 (1880 x 2896 x 1600)	48 x 96 in Holds maximum of 1,305.6 lbs (40.8 lbs per square foot)	1,847 (838)
Torchmate® 4505	25 (2.32)					86 x 79 x 63 (2184 x 2006 x 1600)	60 x 60 in holds maximum of 1,020 lbs (40.8 lbs per square foot)	1,480 (671)
Torchmate® 4510	50 (4.65)					86 x 138 x 63 (2184 x 3505 x 1600)	60 x 120 in holds maximum of 2,040 lbs (40.8 lbs per square foot)	2,452 (1,112)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Torchmate® 4000TC

### Pipe and Tube Cutting

- Designed as an attachment to the Torchmate® 4000 series CNC plasma tables
- Seamless plug and play interface that can easily swap between plate and pipe cutting
- Cuts 1.625 in. to 6 in. (41 to 152 mm) schedule 40 pipe with a 7 ft. (2.13 m) maximum pipe length
- Capable of cutting pipe with a bevel angle up to 45°



**Processes**  
• Plasma Cutting

**Input**

**Literature**  
US70-031119BC1-03

Product Name	Pipe Diameter Range in (mm)	Max Pipe Length in (mm)	Cut Length in (mm)	Max Weight Per Foot lb (kg)	Max Total Weight lb (kg)	Max Cutting Speed	Bevel Angle	Air	Input Current
Torchmate® 4000TC	1.625 - 6 (41 - 152) schedule 40 pipe	132 (3353)	84 (2134)	19 (8.6)	210 (453.6)	188 ipm (4.77 m/min)	-45° - 45° cut angle	87 - 109 psi (6 - 7.5 bar) 380 SCFH 180 SLPM	Single Phase: 208V/1/50/60 230V/1/50/60  Three Phase: 208V/3/50/60 230V/3/50/60 460V/3/50/60 575V/3/50/60

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Torchmate® X Series

### Light Industrial Cutting Table Systems

- 5,500 lb. (2494.8 kg) fully assembled water table
- Supports up to 4 in. (102 mm) mild steel plate
- Pneumatically controlled water level
- Holds three tools (plasma, oxyfuel, and plate marker)



#### Processes

- Plasma Cutting
- Oxyfuel Cutting
- Plasma Marking
- Plate Marking

#### Input



#### Literature

torchmate.com

Product Name	Cutting Area <sup>(1)</sup> ft (m)	Input Power amps/volts	Traverse Speed <sup>(2)</sup> ipm (m/min)	Cut Speed <sup>(2)(3)</sup> ipm (m/min)	Machine Resolution in (µm)	Machine Size (footprint) in (mm)	Net Wt lb (kg)
<b>Torchmate® X Series® 5X10 Table</b>	5 x 10 (1.5 x 3.0)	15A/110V	up to 572 (12.7)	up to 572 (12.7)	0.0004 (10.16)	92.2 x 154.4 (2,341.9 x 3,921.8)	Approx. 5900 (2,676)
<b>TMX-HD 6X14 Table</b>	6 x 14 (1.83 x 4.27) Single tool	10A/220V 20A/110V	up to 400 (10.16)	up to 400 (10.16)		106 x 206 (2,692 x 5,232)	Approx. 5,454 (2,473)

<sup>(1)</sup>With specific Tool Set (some restrictions apply). <sup>(2)</sup>Multiple control platforms. <sup>(3)</sup>Cut speeds dependant on process.

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Torchmate® 5100

### Industrial CNC Plasma Cutting Machine

- Complete 5 x 10 ft. (1.5 x 3.0 m) Industrial High Definition CNC Plasma Table
- Pneumatically adjusted Water Table or Downdraft fume extraction
- DXF & DWG Importer with onboard nesting
- Optional ±45° Bevel Cutting Head
- Up to 4 in. (101.6 mm) steel capacity



#### Processes

- Plasma Cutting
- Oxyfuel Cutting
- Plasma Marking
- Bevel
- HD Plasma Cutting

#### Input



#### Literature

US70-111220HR1-6

Product Name	Cutting Area <sup>(1)</sup> ft (m)	Input Power amps/volts	Traverse Speed <sup>(2)</sup> ipm (m/min)	Cut Speed <sup>(2)</sup> ipm (m/min)	Machine Size (footprint) in (mm)	Net Wt lb (kg)
<b>Torchmate® 5100</b>	5 x 10 (1.5 x 3.0) All tools	15A/110V 380-415/460/575v 3Ph/50/60Hz	up to 1,500 (38.1)	up to 450 (11.4)	113.5 x 166 (2882 x 4216)	Approx. 6,000 (2721.55)

<sup>(1)</sup>With specific tool set (some restrictions apply). <sup>(2)</sup>Cut speeds dependant on process.

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## Linc-Cut™ 3015 4kw System

### Built to be Excellent

- 5 x 10 ft. (1.5 x 3.0 m) sheet capacity 4kw fiber laser cutting system
- Up to 4kw fiber laser cutting power with up to 3/4 in. (19.05 mm) carbon steel cutting
- Compact roll-out drawer saves floor space and allows the use of a forklift or overhead material loading option when feeding material
- Class 1 CDRH fully-enclosed cell provides safe laser operation
- Optional Prism® 2 fume extraction solution helps deliver less noise, lower costs and helps improve workplace safety



#### Processes

- Fiber Laser Cutting

#### Input



#### Literature

- LEA-093024HR1-01 and
- LEA-082024HR1-01

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Cutting Area ft (m)	Laser Power	Traverse Speed ipm (m/min)	Cutting Speed <sup>(1)</sup> ipm (m/min)	Machine Size in (mm)	Net Wt lb (kg)
Linc-Cut™ 3015 4kw System	AD2599-1	460/3/60	5 x 10 (1.5 x 3.0)	Up to 4kW	2874 (73)	2874 (73)	91.3 x 117.6 x 208.2 (2320 x 2987 x 5288)	12500 (5670)

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## MASTERPIPE® Compact Profiler

### A CNC Plasma Pipe Cutting and Profiling Machine

- It's small footprint makes it a superb solution for aluminum, stainless steel and mild steel small pipes and tubes cutting
- For roll cage fabrication shops, handrail and fencing manufacturing, construction and mechanical contractors
- Handles pipes with outside diameters between 2 - 8 in. (50.8 - 203.2 mm), with an optional accessory that expands the capacity to hold one inch O.D. pipe
- Highly intuitive software provides effective and easy-to-use pipe profiling technology



#### Processes

- Plasma Cutting

#### Input



#### Literature

- vernontool.com

Product Name	Input Power Voltage/Phase/Hertz	Pipe Capacity: Diameter, in (cm)	Pipe Capacity: Weight, lb (kg)	Cutting Speed <sup>(1)</sup> ipm (m/min)	H x W x D ft (m)	Net Wt lb (kg)
MASTERPIPE® Compact Profiler	120/1/60	OD: 1.0-8.0 (2.5-20.3) <i>[recommended production]</i>	1000 (453.59) max  Maximum 100 lbs (45.4 kg) weight per foot	200 (5.1) max	52 x 28 x 156 (15.85 x 8.53 x 47.55)	1220 (553.38)

<sup>(1)</sup>Dependent on system configuration and material being cut.

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov



## Vernon Tool® MPM®

### Automated Pipe Profiling and Cutting for Industrial Applications

- Ideal for process and power piping, mechanical and HVAC contracting, shipbuilding, offshore, marine construction, structural pipe trusses and pressure vessel fabrication
- Servo-driven systems convey pipe from raw material storage racks to the cutting head, allowing our cutting process to precisely profile the pipe and convey the finished pieces to a separate rack for offloading
- Reusable part-cutting programs are created at the machine, or from a remote PC



**Processes**

- Plasma Cutting
- Oxyfuel Cutting

**Input**



**Literature**

US70-052621HR1-2

Product Name	Input Power Voltage/Phase/ Hertz	Pipe Capacity: Diameter in (mm)	Pipe Capacity: Weight, lb (kg)	Cutting Speed <sup>(1)</sup> ipm (m/min)	Rotation Speed	H x W x D ft (m)
Vernon Tool® MPM® Model 0224	480/3/60	2-24 (50.8 - 609.6)	250 lb/ft (113 kg/m) Max Total Load: 5,000 lb (2,267 kg)	200 ipm (5 m/min)	0-200 ipm (0-5 m/min)	10 x 8 x 26 (3.05 x 2.44 x 7.92) (Base dimensions for a 20 ft (6.1 m) machine)
Model 0348		3-48 (76.2 - 1219.2)	1,000 lb/ft (680 kg/m) Max Total Load: 22,500 lb (10,206 kg)		Conveyor: up to 50 RPM	
Model 0460		4-60 (101.6 - 1727.2)	1,500 lb/ft (1,004 kg/m) Max Total Load: 50,000 lb (22,680 kg)			

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## PythonX® Structural

### Robotic CNC Plasma Cutting System for Structural Steel Fabrication

- All-in-one system that replaces several traditional machines and automates multiple structural steel fabrication processes using only a fraction of the floorspace
- AISC compliant bolt holes
- Best in class cut quality and accuracy, and cuts are completed in a fraction of traditional processing time
- Easy part file import using industry standard file types such as .stp and .nc1
- Eliminates shop errors from drawing interpretation and manual cutting operations
- Reduces material handling
- 4-6 week delivery
- 3 Year warranty
- 24/7 access to North American support and service network



**Processes**

- Plasma Cutting

**Output**



**Input**



**Literature**

pythonx.com

WARNING: Cancer and Reproductive Harm -www.P65Warnings.ca.gov

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Tomahawk® 30 AIR

#### Base Model (K5457-1)

- Tomahawk® 30 AIR Plasma Cutter
- Internal Air Compressor (External Air Connection also Standard)
- LC30 Hand Torch and 10 ft. (3 m) Cable (K5537-1)
- Electrode (Qty. 3) (KP2842-1)
- Nozzle 30A (Qty. 3) (KP2842-6)
- Swirl Ring (Qty. 2) (KP2842-4)
- Retaining Cap (Internal Air - 2 Holes) (KP2842-3)
- Drag Spacer (KP2842-5)
- Retaining Cap (Internal Air - 6 Holes) (KP2842-7)
- Air Regulator and Pressure Gauge
- Internal Water Separator
- Work Clamp and Cable
- Shoulder Strap
- Input Power Cord

### Tomahawk® 45

#### Base Model (K5458-1)

- Tomahawk® 45 Plasma Cutter
- LC40 Hand Torch 20 ft. (6.1 m) Cable (K2847-1)
- Electrode (Qty. 3) (KP2843-1)
- Nozzle 40A (Qty. 3) (KP2843-2)
- Swirl Ring (Qty. 2) (KP2842-4)
- Retaining Cap (Standard) (KP2843-5)
- Drag Spacer (KP2843-2)
- Air Regulator and Pressure Gauge
- Internal Water Separator
- Work Clamp and Cable
- Shoulder Strap
- Input Power Cord

### Tomahawk® 1000

#### Base Model (K2808-1)

- Tomahawk® 1000 Plasma Cutter
- LC65 Hand Torch and 25 ft. (7.6 m) Cable (K2848-1)
- Electrode 60A (Qty. 3) (K2844-1)
- Nozzle 60A (Qty. 3) (KP2844-4)
- Swirl Ring (Qty. 2) (KP2844-14)
- Retaining Cap (KP2844-9)
- Drag Spacer (KP2843-10)
- Air Regulator and Pressure Gauge
- Internal Water Separator
- Work Clamp and Cable
- Input Power Cord

### Tomahawk® 1500

#### Base Model (K2809-1)

- Work Clamp and Cable
- Internal Water Separator
- Air Regulator and Pressure Gauge
- Input Power Cord

#### 25 ft. (7.6 m) Hand Torch One-Pak® (K3477-1)

- Tomahawk® 1500 Plasma Cutter
- LC105 Hand Torch and 25 ft. (7.6 m) Cable (K2849-1)
- Electrode (KP4141-1)
- Nozzle 100A (KP4141-7)
- Swirl Ring (KP4141-9)
- Retaining Cap (Contact) (KP4141-8)
- Drag Shield Cap 100A (KP4141-16)
- Air Regulator and Pressure Gauge
- Internal Water Separator
- Work Clamp and 25 ft. (7.6 m) Cable
- Input Power Cord
- LC105 Torch Consumable Starter Kit (KP4141-20)

#### 50 ft. (15.2 m) Hand Torch One-Pak® (K3477-2)

- LC105 torch 50 ft. (15.2 m) lead (K2849-2) and cable with electrode, nozzle 100A, swirl ring, retaining cap (contact) and drag shield cap 100A
- Tomahawk® 1500 Plasma Cutter
- Air regulator and pressure gauge
- Internal water separator
- Work clamp and 25 ft. (7.5 m) cable
- Input power cord
- Consumable Starter Kit for LC105 Torch includes (2) electrodes, (2) nozzles 100A, and swirl ring (KP4141-20)

### MASTERPIPE® Compact Profiler

- One remote seat
- WinMPM File Importer
- One additional CAD importer
- Kiosk + CPU
- One Year Annual Subscription

### FlexCut® 80

#### Base Model (K4809-1)

- Air regulator and pressure gauge
- Internal water separator
- Work clamp and cable
- Input power cord



Shown:  
Tomahawk® 30 Air (K5457-1)



Shown:  
Tomahawk® 45 (K5458-1)



Shown:  
Tomahawk® 1500 25 ft. (7.6 m)  
Hand Torch One-Pak® (K3477-1)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak** » Assembly required

**Ready-Pak** » Fully assembled

### FlexCut® 125

#### Base Model (K4811-1)

- Air regulator and pressure gauge
- Internal water separator
- Work clamp and cable
- Input power cord

### Torchmate® 4400 | 4800 | 4505 | 4510

- Fully assembled dual-tool CNC plasma cutting table with full 4 x 4, 4 x 8 or 5 x 10 (1.2 x 1.2, 1.2 x 2.4 or 1.5 x 3 m) tool reach
- FlexCut® 80 plasma cutter
- Water table fume collection
- Arc-voltage digital height control
- Industrial touch screen HMI
- Consumable starter kit
- Input power cord

### Vernon Tool® MPM®

- Consumable Starter Kit
- PypeServer® Software
- WinMPM
- Vernon Tool® Academy



Shown:  
FlexCut® 80 (K4809-1)



Shown:  
Torchmate® 4505 5x5 (1.5 x 1.5 m)  
CNC Plasma Cutting Table

## Accessories » Tomahawk® Plasma Cutters

Product Name	Product No.				
		Tomahawk® 30 AIR	Tomahawk® 45	Tomahawk® 1000	Tomahawk® 1500
		Base Model w/Hand Torch	Base Model w/Hand Torch	Base Model w/Hand Torch	Base Model
		K5457-1	K5458-1	K2808-1	K2809-1
<b>CONSUMABLE PARTS – STANDARD CUTTING</b>					
Electrode (LC25/30)	KP2842-1	•			
Nozzle, 25A (LC25/30), (LC30-Internal Air Only)	KP2842-2	•			
Retaining Cap (LC25/30)	KP2842-3	•			
Swirl Ring (LC25, 30, 40)	KP2842-4	•			
Spacer (LC25/30)	KP2842-5	•			
Nozzle, 30A, (LC30)	KP2842-6	•			
Retaining Cap (LC30)- External Air Only	KP2842-7	•			
Electrode (LC40)	KP2843-1		•		
Nozzle, 40A (LC40)	KP2843-2		•		
Swirl Ring (LC25, 30, 40)	KP2842-4		•		
Retaining Cap (LC40)	KP2843-5		•		
Spacer (LC40, LC65)	KP2843-10		•	•	
Electrode (LC65)	KP2844-1			•	
Nozzle, 40A (LC65)	KP2844-2			•	
Nozzle, 50A (LC65)	KP2844-3			•	
Nozzle, 60A (LC65)	KP2844-4			•	
Retaining Cap, 40, 60A (LC65)	KP2844-9			•	
Shield, 40, 60A (LC65M)	KP2844-13			•	
Swirl Ring, 40A, 50A, 60A (LC65)	KP2844-14			•	
<b>CONSUMABLE PARTS – CONTACT CUTTING</b>					
Nozzle (Direct Contact), 25A (LC40)	KP2843-9		•		
Nozzle (Direct Contact), 40A (LC40)	KP2843-3		•		
Swirl Ring, 40A, 50A, 60A (LC65)	KP2844-14			•	
Nozzle (Direct Contact), 40A (LC65)	KP2844-5			•	
Retaining Cap, 40, 60A (LC65)	KP2844-9			•	
Nozzle (Shielded Contact), 50A (LC65)	KP2844-6			•	
Nozzle (Shielded Contact), 60A (LC65)	KP2844-7			•	
Retaining Cap (Shielded Contact) (LC65)	KP2844-10			•	
Shield, 50A, 60A (LC65)	KP2844-11			•	
<b>CONSUMABLE PARTS – GOUGING</b>					
Nozzle (Gouging) (LC40)	KP2843-4		•		
Retaining Cap (Gouging) (LC40)	KP2843-6		•		
Gouge Shield (LC40)	KP2843-8		•		
Swirl Ring, 40A, 50A, 60A (LC65)	KP2844-14			•	
Nozzle (Gouging) (LC65)	KP2844-8			•	
Retaining Cap (Shielded Contact) (LC65)	KP2844-10			•	
Gouge Shield (LC65)	KP2844-12			•	

Product Name	Product No.				
		Tomahawk® 30 AIR	Tomahawk® 45	Tomahawk® 1000	Tomahawk® 1500
		Base Model w/Hand Torch	Base Model w/Hand Torch	Base Model w/Hand Torch	Base Model
		K5457-1	K5458-1	K2808-1	K2809-1
<b>GENERAL</b>					
Plasma Circle Cutting Guide Kit	K2886-1	•	•	•	
Canvas Cover	K2377-1	•	•	•	
Accessory Bag	K3071-1	•	•	•	
LC30 Handheld Plasma Torch, 10 ft (3.0 m)	K5537-1	•			
LC40 Handheld Plasma Torch, 20 ft (6.0 m)	K2847-1		•		
LC40 Machine Plasma Torch, 20 ft (6.0 m)	K2847-2		•		
LC65 Handheld Plasma Torch, 25 ft (7.6 m)	K2848-1			•	
LC65 Handheld Plasma Torch, 50 ft (15.2 m)	K2848-2			•	
LC65M Machine Plasma Torch, 25 ft (7.6 m)	K2848-3			•	
LC105 Handheld Plasma Torch, 25 ft (7.6 m)	K2849-1				•
LC105 Handheld Plasma Torch, 50 ft (15.2 m)	K2849-2				•
<b>CONSUMABLE PARTS – HAND CUTTING</b>					
Electrode (LC105)	KP4141-1				•
Nozzle, 40A (LC105)	KP4141-4				•
Nozzle, 60A (LC105)	KP4141-5				•
Nozzle, 80A (LC105)	KP4141-6				•
Nozzle, 100A (LC105)	KP4141-7				•
Swirl Ring (LC105)	KP4141-9				•
Retaining Cap (Contact) (LC105)	KP4141-8				•
Drag Shield Cap, 40A (LC105)	KP4141-14				•
Drag Shield Cap, 60-80A (LC105)	KP4141-15				•
Drag Shield Cap, 100A (LC105)	KP4141-16				•
Gouging Nozzle, 80A (LC105)	KP4141-18				•
Gouging Nozzle, 100A (LC105)	KP4141-19				•
Gouging Shield Cap, 80-100A (LC105)	KP4141-17				•
<b>CONSUMABLE PARTS KIT - HAND CUTTING</b>					
LC30 Handheld Plasma Torch	KP5595-1	•			
LC40 Handheld Plasma Torch	KP5347-1		•		
LC65 Handheld Plasma Torch	KP5348-1			•	
LC105 Handheld Plasma Torch	KP4141-20				•

• Optional

## Accessories » Plasma Cutters

Product Name	Product No.	FlexCut® 80	FlexCut® 125
		Base Model	Base Model
		K4809-1	K4811-1
<b>CONSUMABLE PARTS – MACHINE CUTTING</b>			
Electrode (LC100M)	BK12849-3	•	
Swirl Ring (LC100M /LC105M)	BK12849-9	•	
Nozzle, Precision Cut (LC100M)	BK12849-11	•	
Nozzle, 40A (LC100M /LC105M)	BK12849-4	•	
Nozzle, 60A (LC100M /LC105M)	BK12849-5	•	
Nozzle, 80A (LC100M /LC105M)	BK12849-6	•	
Retaining Cap (LC100M)	BK12849-21	•	
Retaining Cap, CTP (LC100M)	BK12849-22	•	
Shield Cap, Precision Cut (LC100M)	BK12849-18	•	
Shield Cap, 40A (LC100M)	BK12849-14	•	
Shield Cap, 60A-80A (LC100M)	BK12849-15	•	
Electrode (LC125M)	BK14300-1	•	
Shield Cap, 45A-65A (LC125M)	BK14300-3	•	
Shield Cap, 85A-105A-125A (LC125M)	BK14300-4	•	
Nozzle, 45A (LC125M)	BK14300-7	•	
Nozzle, 65A (LC125M)	BK14300-8	•	
Nozzle, 85A (LC125M)	BK14300-9	•	
Nozzle, 105A (LC125M)	BK14300-10	•	
Nozzle, 125A (LC125M)	BK14300-11	•	
Swirl Ring (LC125M)	BK14300-13	•	
Retaining Cap (LC125M)	BK14300-14	•	
Retaining Cap, CTP (LC125M)	BK14300-15	•	
Front Isolator Assembly (LC125M)	BK14300-18	•	
<b>CONSUMABLE PARTS – HAND CUTTING</b>			
Electrode (LC105)	KP4141-1	•	
Nozzle, 40A (LC105)	KP4141-4	•	
Nozzle, 60A (LC105)	KP4141-5	•	
Nozzle, 80A (LC105)	KP4141-6	•	
Swirl Ring (LC105)	KP4141-9	•	
Retaining Cap (Contact) (LC105)	KP4141-8	•	
Drag Shield Cap, 40A (LC105)	KP4141-14	•	
Drag Shield Cap, 60-80A (LC105)	KP4141-15	•	
Gouging Shield Cap, 80-100A (LC105)	KP4141-17	•	
Gouging Nozzle, 80A (LC105)	KP4141-18	•	

Product Name	Product No.	FlexCut® 80	FlexCut® 125
		Base Model	Base Model
		K4809-1	K4811-1
<b>GENERAL</b>			
LC105 Handheld Plasma Torch, 25 ft (7.6 m)	K2849-1	•	
LC105 Handheld Plasma Torch, 50 ft (15.2 m)	K2849-2	•	
LC100M Machine Plasma Torch, No Rack, 25 ft (7.6 m)	BK12849-25	•	
LC100M Machine Plasma Torch, No Rack, 50 ft (15.2 m)	BK12849-50	•	
LC100M Machine Plasma Torch, No Rack, 75 ft (22.9 m)	BK12849-75	•	
LC100M Machine Plasma Torch, with Rack, 25 ft (7.6 m)	BK12849-25R	•	
LC100M Machine Plasma Torch, with Rack, 50 ft (15.2 m)	BK12849-50R	•	
LC100M Machine Plasma Torch, with Rack, 75 ft (22.9 m)	BK12849-75R	•	
Consumable Starter Kit for LC100M Machine Plasma Torch	BK12849-SK	•	
LC125M Machine Plasma Torch, 25 ft (7.6 m)	K4300-4		•
LC125M Machine Plasma Torch, 50 ft (15.2 m)	K4300-5		•
LC125M Machine Plasma Torch, 75 ft (22.9 m)	K4300-6		•
LC125M Machine Bevel Plasma Torch, 25 ft (7.6 m)	K4300-7		•
LC125M Machine Bevel Plasma Torch, 50 ft (15.2 m)	K4300-8		•
LC125M Machine Bevel Plasma Torch, 75 ft (22.9 m)	K4300-9		•
Consumable Starter Kit for LC125M Machine Plasma Torch	BK14300-SK		•

• Optional



## Accessories » FineLine® High Definition Plasma Cutting Systems

Product Name	Product No.
<b>CONSUMABLE PARTS – OUTER RETAINING CAP</b>	
Magnum® PRO Outer Cap, LC300M, 30-300A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602365
<b>CONSUMABLE PARTS – SHIELD CAP</b>	
Magnum® PRO Shield Cap, LC300M, 30A (Mild Steel, Aluminum)	BK602340
Magnum® PRO Shield Cap, LC300M, 80A (Mild Steel, Stainless Steel-Air, Stainless Steel-H17, Aluminum)	BK602342
Magnum® PRO Shield Cap, LC300M, 140A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602343
Magnum® PRO Shield Cap, LC300M, 200A (Mild Steel, Stainless Steel-Air, Stainless Steel-H17)	BK602345
Magnum® PRO Shield Cap, LC300M, 300A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602346
<b>CONSUMABLE PARTS – INNER RETAINING CAP</b>	
Magnum® PRO Retaining Cap, LC300M, 30A (Mild Steel, Aluminum), 80A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602338
Magnum® PRO Retaining Cap, LC300M, 140A (Mild Steel, Stainless Steel-Air, Stainless Steel-H17, Aluminum)	BK602339
Magnum® PRO Retaining Cap, LC300M, 200A (Mild Steel, Stainless Steel-Air, Stainless Steel-H17, Aluminum)	BK602332
Magnum® PRO Retaining Cap, LC300M, 300A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602369
<b>CONSUMABLE PARTS – NOZZLE</b>	
Magnum® PRO Nozzle, LC300M, 30A (Mild Steel, Aluminum)	BK602312
Magnum® PRO Nozzle, LC300M, 80A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602314
Magnum® PRO Nozzle, LC300M, 140A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602315
Magnum® PRO Nozzle, LC300M, 200A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602317
Magnum® PRO Nozzle, LC300M, 300A (Mild Steel)	BK602318
<b>CONSUMABLE PARTS – SWIRL RING</b>	
Magnum® PRO Swirl Ring, LC300M, 30A (Mild Steel, Aluminum), 80A (Stainless Steel-H17)	BK602354
Magnum® PRO Swirl Ring, LC300M, 80A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602356
Magnum® PRO Swirl Ring, LC300M, 140A (Mild Steel, Stainless Steel-Air, Stainless Steel-H17)	BK602358
Magnum® PRO Swirl Ring, LC300M, 200A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602359
Magnum® PRO Swirl Ring, LC300M, 300A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602360
<b>CONSUMABLE PARTS – ELECTRODE</b>	
Magnum® PRO Electrode, LC300M, 30A (Mild Steel, Aluminum)	BK602300
Magnum® PRO Electrode, LC300M, 80A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602301
Magnum® PRO Electrode, LC300M, 140A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602309
Magnum® PRO Electrode, LC300M, 200A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602304
Magnum® PRO Electrode, LC300M, 300A (Mild Steel, Stainless Steel-Air, Aluminum)	BK602305



# WIRE DELIVERY

**BULK PACKAGE EQUIPMENT** » Drum and Box Heads • Drum and Box Covers • Drum, Reel Box Handling Equipment

**CONDUIT** » Weld Wire Conduit • Conduit Connectors • Conduit Hangers, Clamps, Sleeves

**DISPENSING EQUIPMENT** » Wire Feed Assist • Bulk Reel Dispensing • Wire Straightners • Infinity-Pak®

**ROBOTIC TORCH MAINTENANCE** » Power Ream®

**WIRE DELIVERY TOOLS** » Wire Level Gauge • Accessories



## Bulk Package Hoods and Accessories for Drums and Boxes

### Coverage for Consumables

- Tough polyethylene construction for long shop life
- Dual windows for easy operator access
- Available for round, square and octagon-shaped packages



#### Processes

- MIG
- Flux-Cored

#### Product Numbers

- AD1329-576 - Hood 20.4 in. (518 mm) Drum, Dual Windows
- AD1329-200 - Hood 23.4 in. (594 mm) Drum, Dual Windows
- AD1329-201 - Hood 23.4 in. (594 mm) w/2 Access Windows and Orbital Arm w/Spring Liner
- AD1329-205 - Square Hood (Chimeless) 21 in. (533 mm), 500 lb. (226.8 kg)
- AD1329-206 - Square Hood (Chimeless) 24 in. (610 mm)
- K884-5 - 20 in. (508 mm) Accu-Trak® Drum Payoff Kit
- K884-6 - 23 in. (584 mm) Accu-Trak® Drum Payoff Kit
- K2175-1 - Accu-Pak® Box Payoff Kit 21 in. (533 mm)
- K2175-2 - Accu-Pak® Box Payoff Kit 24 in. (609 mm)
- K3997-1 - Infinity-Pak® Hood Cover

## Drum and Box Covers

### Bulk Package Protection

- Tough, fire-resistant PVC construction
- Provides effective protection of fiber or cardboard drums located near the weld cell
- Available for round, square and octagon-shaped bulk wire packages



#### Processes

- MIG
- Flux-Cored

#### Product Numbers

- K3365-1 - 21 in. (533.4 mm) FR Square Drum Cover for Pull Kit
- K3366-1 - 24 in. (609.6 mm) FR Square Drum Cover for Pull Kit
- K3276-1 - 21 in. (533.4 mm) FR Square Drum Cover for Drum Hood
- K3277-1 - 24 in. (609.6 mm) FR Square Drum Cover for Drum Hood
- K3274-1 - 20.4 in. (518.2 mm) FR Round Drum Cover for Drum Hood
- K3275-1 - 23.4 in. (594.4 mm) FR Round Drum Cover for Drum Hood

## Drum, Reel and Box Dollies, Carts and Lifters

### Packages on the Move

- Dollies available for drum or boxes with up to 1000 lb. (453 kg) capacity
- Staging carts available for drums or reels with up to 1000 lb. (453 kg) capacity
- Variety of lifters for chimeless and chimed drums



#### Processes

- MIG
- Flux-Cored

#### Product Numbers

- AD1329-9 - Accu-Pak® or Accu-Trak® Skid Dolly
- AD1329-10 - Fiber Drum Lifter
- AD1329-11 - Drum Lifter for ISO Drums Without Chime
- AD1329-12 - Fork Lift Adapter
- AD1329-187 - Heavy Duty Wood Reel Staging Cart

## Weld Wire Conduit

### Wire Delivery at any Length

- Choose from polymer or extra flexible material
- Available in pre-cut lengths up to 30 ft. (9.1 m) or in bulk
- Self-threading or compression style connectors available



#### Processes

- MIG
- Flux-Cored
- Submerged Arc

#### Product Numbers

- AD1329-617 - 0.198 ID x 0.500 OD Extra Flexible Conduit, 100 ft. (30.48 m)
- AD1329-496 - 0.241 ID x 0.500 OD Extra Flexible Conduit w/AD1329-292, 10 ft. (3.04 m)
- AD1329-499 - 0.241 ID x 0.500 OD Extra Flexible Conduit w/AD1329-292, 20 ft. (6.1 m)
- AD1329-492 - 0.241 ID x 0.500 OD Extra Flexible Conduit w/AD1329-292, 6 ft. (1.8 m)
- AD1329-623 - 0.250 ID x 0.610 OD Extra Flexible Conduit, 100 ft. (30.48 m)
- AD1329-510 - 0.298 ID x 0.610 OD Extra Flexible Conduit w/AD1329-580, 10 ft. (3.04 m)
- AD1329-512 - 0.298 ID x 0.610 OD Extra Flexible Conduit w/AD1329-580, 15 ft. (4.6 m)
- AD1329-513 - 0.298 ID x 0.610 OD Extra Flexible Conduit w/AD1329-580, 20 ft. (6.1 m)
- AD1329-514 - 0.298 ID x 0.610 OD Extra Flexible Conduit w/AD1329-580, 25 ft. (7.6 m)
- AD1329-515 - 0.298 ID x 0.610 OD Extra Flexible Conduit w/AD1329-580, 30 ft. (9.1 m)
- AD1329-506 - 0.298 ID x 0.610 OD Extra Flexible Conduit w/AD1329-580, 6 ft. (1.8 m)
- AD1329-626 - 0.354 ID x 0.750 OD Extra Flexible Conduit, 100 ft. (30.48 m)

## Conduit Connectors

### Make the Welding Connection

- Variety of types and sizes available
- Rounded internal shoulders for smooth wire feeding
- Union kits and bulkhead connector



#### Processes

- MIG
- Flux-Cored
- Submerged Arc

#### Product Numbers

- K5105-28 - 1/4 in. (6.35 mm) NPT-M Quick Disconnect
- AD1329-280 - A-14 Bulkhead w/2 A-4-ST Quick Disconnect
- AD1329-279 - Bracket for Bulkhead
- AD1329-278 - Bulkhead Adapter Block
- AD1329-57 - Bulkhead Connector Kit
- AD1230-5 - Conduit Kit, 15 ft. (4.6 m), 0.035-1/16 Steel
- AD1230-6 - Conduit Kit, 25 ft. (7.6 m), 0.035-1/16 Steel
- AD1329-42 - Extra Flexible Compression (Ferrule)
- AD1329-290 - Extra Flexible Quick Disconnect, Male, Large Wire
- AD1329-43 - Extra Flexible Strain Relief Connector
- AD1329-580 - Extra Flexible Swaged Connector
- AD1329-292 - Extra Flexible Swaged Connector
- AD1329-526 - Extra Flexible Swaged Connector
- AD1329-24 - Polymer Compression (Ferrule)
- AD1329-36 - Polymer Compression Fitting
- AD1329-25 - Polymer Compression Fitting w/Strain Relief Connector
- AD1329-35 - Polymer Self Threading (1/2 in. (12.7 mm) NPT-F)
- AD1230-14 - Polymer Self Threading (1/4 in. (8.4 mm) NPT-F)
- AD1329-29 - Polymer Self Threading (3/8 in. (9.5 mm) NPT-F)
- AD1329-31 - Polymer Strain Relief Connector
- AD1329-30 - Polymer/Extra Flexible Compression (Ferrule)

## Conduit Hangers and Clamps

### Wire Support

- Hanger prevents excessive sag in conduit to existing structures
- Sleeves protect conduit from operating environment
- Use clamps to secure conduit to existing structures



#### Processes

- MIG
- Flux-Cored
- Submerged Arc

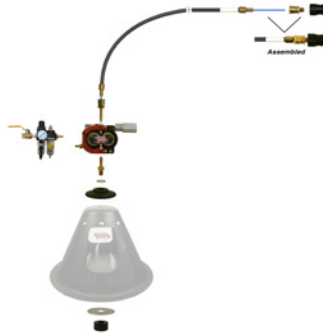
#### Product Numbers

- AD1329-549 - 22 in. (559 mm) Conduit Hanger w/4 Retaining Straps
- AD1329-547 - Retractable Conduit Balancer - Load Range 5-13 lbs. (2-6 kg)
- AD1329-548 - Retractable Conduit Balancer - Load Range 11-19 lbs. (5-9 kg)
- AD1329-538 - Conduit/Cable Sleeve - 2 in. (51 mm) ID, 4 ft. (1.2 m)

## Wire Feed Assist Components

### Extra Drive for Your Wire Feed

- Reduces pulling force required from feed motor
- Enables longer conduit runs
- Adjustable torque setting prevents bird nesting
- For 0.035-1/8 in. (0.9-3.2 mm) wire diameters



#### Processes

- MIG
- Flux-Cored

#### Input

Compressed Shop Air

#### Product Numbers

- AD1329-386 - 3/8 in. (9.5 mm) NPT-M Quick Disconnect for Wire Larger than 1/16 in. (1.6 mm)
- AD1329-4 - Drum Adapter for Wire Feed Assist
- AD1329-574 - Heavy Duty U Groove Drive Roll 1/8 in. (3.2 mm) Steel Wire
- AD1329-427 - Outlet for Wire Feed Assist w/Quick Disconnect
- AD1230-2 - Wire Feed Assist Kit 1/16 in. (1.6 mm) & Larger Aluminum Wire
- KP1964-1 - Wire Guide Wire Straightener
- KP2101-1 - Wire Guide, Tiny Twin Wire Straightener

## Wire Straighteners

### Get It Straight

- Straighten or recast all types of wires
- Lightweight, yet rugged
- Equipped with locating calibration on face of unit and fine adjustment scale on tension knob



#### Processes

- MIG
- Flux-Cored
- Submerged Arc

#### Product Numbers

- AD1329-60 - Dual Wire Straightener Adapter
- AD1329-559 - Large Wire Adapter for Lincoln Electric Wire Straightener
- K1733-4 - Micro Wire Straightener
- K1733-1 - Wire Straightener
- K1733-5 - Wire Straightener (Automatics)
- AD1329-61 - Wire Straightener Adapter Kit

## Wire Guide Arm Unit for Standard Wood Reel with 1-5/16 in. Arbor

### The Reel Deal

- Universal base plate design fits wood or plastic reels with 1-5/16 in. (33 mm) or 5 in. (127 mm) center arbor holes
- Twin locking cams secure base plate to reel for stability
- Smooth acceleration and deceleration of feed arm



#### Processes

- MIG
- Flux-Cored

#### Product Numbers

- AD1329-15



## Wire Level Gauge

### Keep an Eye on Wire Supply

- Detects level of wire remaining in the drum or box
- Wire level displayed visually with color and percentage scale
- Usable with 500 lb. (227 kg) or 1000 lb. (453 kg) package



#### Processes

- MIG
- Flux-Cored

#### Product Numbers

- AD1329-614

## Wire Draw Gauge

### Additional Tools

- Draw gauge accurately measures the draw weight of welding wire pulling through conduit in English or metric at the touch of a button
- Nozzle cleaning tool removes spatter; choice of five sizes
- Conduit cutter trims all diameters of polymer conduit with ease



#### Processes

- MIG
- Flux-cored
- Submerged Arc

#### Product Numbers

- AD1329-59

## Power REAM® II

### Robotic Torch Maintenance System

- Standard wire cutter provides consistent wire stickout and removes the ball at the end of the welding wire for superior arc starting performance
- Returns to the home position signaling the robot to end weld cycle
- A spatter guard is mounted to the gripper housing keeping debris from entering
- Catch basin collects over-spray to reduce slag and spatter residue left on the reamer and jigs



#### Processes

- Reamer
- Sprayer
- Wire Cutter

#### Input



#### Product Number

K2391-2

#### Literature

E10.110

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Air Pressure and Flow	Input Current @ Rated Output	Input Current	H x W x D in (mm)	Net Wt. lb (kg)
Power REAM® II	K2391-2	24V DC	80 PSI 15 SCFM	1100 rpm 0.65 HP	0.50A DC	with reservoir 25.9 x 8.0 x 14.5 (657 x 203 x 368)	62 (28)

## Infinity-Pak® Dispensing System

### Continuous Wire, Continuous Welding

- Butt welding and flash removal process take only seconds
- Configurations for every environment, including 2-station, 4-station and wall mount
- ASTM certified and the bulk package is 100% recyclable
- Use with a variety of Lincoln Electric SuperArc® wire alloys



**Processes**  
• MIG

**Output**



**Input**



**Literature**  
MC14-97

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Air Pressure and Flow	Input Current @ Rated Output	Input Current	H x W x D in (mm)	Net Wt. lb (kg)
Infinity-Pak®	K3924-1	110V 5 Amps	—	—	—	42 x 20 x 24 (1067 x 208 x 610)	100 (43.4)
With 2 Stations	K3926-1						
With 4 Stations	K3927-1						
Wall Mount	K4106-1						

## Butt Welder and Docking Station Combo

- 110V Butt Welder with docking station
- Joins the end of wire from first drum to start of wire in second drum
- Eliminates downtime for wire changeover



**Processes**  
• MIG

**Product Numbers**  
• K3921-1

**Literature**  
MC14-97

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### **Accu-Pak® Box Payoff Kit, 24 in.**

**Base Model [K2175-2]**

- Square Hood (Chimeless) - 24 in. (610 mm) [AD1329-206]
- Direct Pull Kit [D1329-6]

### **Wire Feed Assist Kit - 1/16 in. (1.6 mm) & Larger Aluminum Wire**

**Base Model [AD1230-2]**

- Feed Assist
- Filter/Regulator/Lubricator
- Drum Adapter Mounting Kit
- Conduit Quick Disconnect with Liner
- 15 ft. (4.6 m) Polymer Conduit
- Self-Threading Connector
- 5 ft.-1/4 in (1.6 m) Air Hose (In addition to being mounted on drum hoods, the Wire Feed Assist may be mounted on the mechanical turntable [AD1329-13], on the Wood Reel Stand [AD1329-380] or on other wire dispensing equipment)

## Accessories » Infinity-Pak®

Product Name	Product No.	Infinity-Pak® with 2 Stations	Infinity-Pak® with 4 Stations	Infinity-Pak® Wall Mount
<b>GENERAL</b>				
Wire Sizer with 0.035 in. (0.9 mm) dies	K3910-1	•	•	•
Wire Sizer replacement dies for 0.035 in. (0.9 mm) wire	K3911-1	•	•	•
Wire Sizer with 0.045 in. (1.2 mm) dies	K3913-1	•	•	•
Wire Sizer replacement dies for 0.045 in. (1.2 mm) wire	K3912-1	•	•	•
Wire Sizer with 0.052 in. (1.3 mm) dies	K3914-1	•	•	•
Wire Sizer replacement dies for 0.052 in. (1.3 mm) wire	K3915-1	•	•	•
Wire Sizer with 0.062 in. (1.6 mm) dies	K3917-1	•	•	•
Wire Sizer replacement dies for 0.062 in. (1.6 mm) wire	K3918-1	•	•	•
Wire Sizer with 0.078 in. (2.0 mm) dies	K3919-1	•	•	•
Wire Sizer replacement dies for 0.078 in. (2.0 mm) wire	K3920-1	•	•	•
POWER REAM® Connection Cable	K2433-1	•	•	•
Remote POWER REAM® Reservoir Kit	K2434-1	•	•	•

• Optional

## Accessories » Wire Feeder Accessories and Parts

Product Name	Product No.	Infinity-Pak® with 2 Stations		
		K3926-1	K3927-1	K4106-1
<b>Wire Delivery Products</b>				
1/2 in. (12.7 mm) NPS-M Quick Disconnect	AD1329-22	•	•	•
1/4 in. (6.4 mm) NPT-M Quick Disconnect	AD1329-53	•	•	•
Female Quick Disconnect 1/4 in. (6.4 mm) NPT	AD1329-310	•	•	•
Quick Disconnect - 1/2 in. (12.7 mm) -20 Male (Includes Nut, Washer)	AD1329-354	•	•	•
Replacement Ferrule - Fits AD1329-24, -285	AD1329-340	•	•	•
Replacement Ferrule - Fits AD1329-30, -287	AD1329-32	•	•	•
Replacement Ferrule - Fits AD1329-36	AD1329-339	•	•	•
Replacement Ferrule - Fits AD1329-42, -291	AD1329-44	•	•	•
<b>Inlet Guides and Components</b>				
1/4 in. (6.4 mm) NPT Steel Quick Disconnect	AD1329-281	•	•	•
3/8 in. (9.5 mm) Wire Feeder Inlet w/Quick Disconnect	AD1329-585	•	•	•
Connector Liner - 0.09 in. (2.3 mm) ID, Polymer	AD1329-583	•	•	•
Feed Assist Inlet Guide	AD1329-584	•	•	•
Guide Tube Assembly 7/64 Incoming 2 Roll	KP2139-8	•	•	•
Guide Tube Assembly 1/16 in. (1.6 mm) Outgoing	KP2118-3	•	•	•
Inlet Guide w/Quick Disconnect 0.373 in. (9.5 mm) Probe, 4.5 in. (114.3 mm) Long	AD1329-324	•	•	•
Inlet Guide w/Quick Disconnect 0.373 in. (9.5 mm) Probe, 2.75 in. (69.9 mm) Long	AD1329-318	•	•	•
Inlet Guide w/Quick Disconnect	AD1329-335	•	•	•
Lincoln® 10 Fdr, Inlet, 1/4 in. (6.4 mm) NPT (F) (Delrin®)	AD1329-578	•	•	•
Lincoln® 10 Series Inlet Adapter Delrin for Large Wire	KP5115-3	•	•	•
Lincoln® Inlet Guide Aluminum	AD1329-552	•	•	•
Lincoln® Inlet with QD	AD1329-336	•	•	•
Twinarc® Feeder Inlet	AD1329-528	•	•	•
Universal Inlet Kit	AD1329-315	•	•	•
<b>Maintenance Supplies</b>				
Nozzle Anti-Spatter Fluid 32 oz. (0.9 L) Spray Bottle	AD1329-390	•	•	•
Nozzle Anti-Spatter Fluid 1 Gal. (3.8 L) Bottle	AD1329-389	•	•	•
Nozzle Anti-Spatter Fluid 5 Gal. (19 L) Pail	AD1329-388	•	•	•
Nozzle Anti-Spatter Fluid 55 Gal. (208.2 L) Drum	AD1329-387	•	•	•
<b>Mechanical Turntables</b>				
Mechanical Turntable	AD1329-13			
Mechanical Turntable w/Assembled Brake	AD1329-238	•	•	•
Brake Kit for Mechanical Turntable	AD1329-240	•	•	•
Turntable Adapter Kit for One Wire Feed Assist	AD1329-567	•	•	•
Turntable Replacement Liner	AD1329-529	•	•	•
Turntable Replacement Wire Retainer	AD1329-530	•	•	•





# COLLABORATIVE ROBOTIC SYSTEMS

COOPER™ COBOTS · CLASSMATE® COBOTS · COOPER™ APP

LINCOLN®

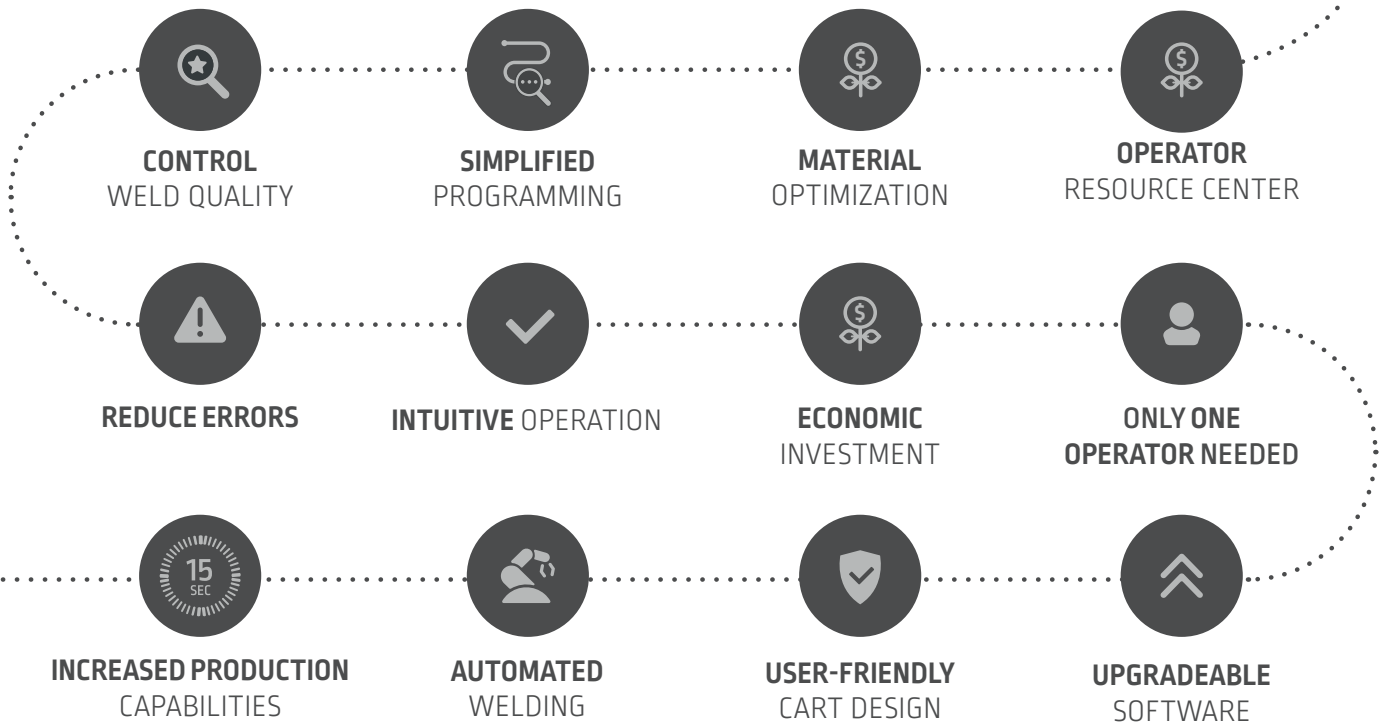
# COLLABORATIVE WELDING

We designed the Cooper™ welding cobots to complement the skills of human welders. Cooper™ welding cobots help improve welding productivity, weld quality, and repeatability in a collaborative way. We developed the Cooper™ App for easy-to-use programming. The Power Wave® R450 robotic welding platform runs the systems with industry-leading performance. Cooper™ welding cobots make integrating automation easy for any business.



## CAN I DEMO THE COOPER™ COBOT LIVE IN ACTION? **YES**

Get in touch with our sales team to schedule a live demo near you.



# Cooper™ APP WELD PROGRAMMING

## REMOVING BARRIERS TO AUTOMATED WELDING

The Cooper™ App is exclusive to Cooper™ welding cobots from Lincoln Electric Automation, designed to make welding as simple as Click Click Weld™! The innovative Cooper™ App provides an easy and intuitive interface that gets operators performing welds quickly and allows simple adoption of personal preference and customization of specific welds.

# 1

### WELD BY NUMBERS

You don't need to be a robotics or welding expert to obtain quality welds. The Cooper™ App includes easy-to-use, pre-programmed weld parameters designed to get you started, allowing customization for advanced users to improve individual results.

# 2

### AUTO AIR MOTION RECORDING

This Lincoln Electric patented solution removes the burden from operators to program air movements and transitions between weld sequences, accelerating the time between programming and welding.

# 3

### TORCH ANGLE QUICK SET

User can set their desired work and travel angles on weld points. These angles can be automatically applied to subsequent weld points to ensure consistent welds throughout.

## NOT A WELDING EXPERT?

The Cooper™ App leverages Lincoln Electric's welding expertise by providing users with pre-made weld sets with Weld by Numbers.



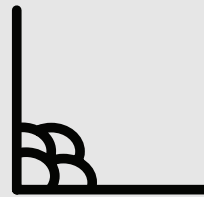
# Advanced Features

Whether your fabrication requires a standard single-pass linear weld or structural steel multi-pass welds, the Cooper™ App helps provide the solution. On-screen steps guide users through the weld programming process.



## MULTI-PASS WELDING

By simply teaching the arc start and arc end location, you will define the offsets and direction of each pass. These passes can be saved to templates to be reused for other similar root welds.



## THRU-ARC™ TRACKING

The Thru-Arc™ Tracking & Touch Sense features allow operators to automatically adjust the robot's toolpath to provide accurate weld bead placement in situations where there are imperfect part geometries, misaligned parts, warped parts, or high variance part fixtures.



## WELD PATTERNING

The Weld Patterning feature helps you program the first segment of the part and then replicate the program to all the following identical segments. This saves significant programming time when working on parts with repetitive geometry.





## Generation II Air-Cooled Cooper™ Cobots

- Air-cooled systems are ideal for lower amperage applications
- Generation II includes a tabletop, easy access to equipment doors, Magnum® PRO Wire-Brake welding torches, and improved cable management bracket clamps
- The Cooper™ App makes it simple for anyone to program and create a quality weld; on-screen instructions guide users step-by-step through the process of creating welds
- Cooper™ Cobots are driven by Lincoln Electric Advanced Welding Equipment - including the Power Wave® R450 and AutoDrive® Robotic Wire feeder - delivering industry-leading innovation for superior weld performance and productivity



**Output**



**Input**



**Literature**

LEA-062123TM1-04 and  
LEA-091924AK1-05

Product Name	Product Number	Cart Dimensions L x W x H in (mm)	Robotic Arm Payload lb (kg)	Robot Arm Reach in (mm)	System Weight lb (kg)	System Work Envelope in (mm)	Fixed Table Payload lb (kg)
<b>Cooper™ CRX-10iA/L Air-Cooled Wire-Brake Welding Cobot Cart</b>	AD2489-16	59 x 35 x 38.5 (1,498.6 x 889 x 977.9)	22 (10)	55.8 (1,418)	895 (407)	44 x 35 (1,117.6 x 889)	500 (226)
<b>Cooper™ CRX-10iA/L Air-Cooled Wire-Brake Welding Cobot Non-Cart Package</b>	AD2495-19	N/A			253 (115)	N/A	N/A
<b>Cooper™ GoFa-10 Air-Cooled Wire-Brake Cobot Cart</b>	AD2501-7	59 x 35 x 38.5 (1,498.6 x 889 x 977.9)		64 (1,620)	1,047.2 (475)	50 x 35 (1,270 x 889)	500 (226)
<b>Cooper™ GoFa-10 Air-Cooled Wire-Brake Welding Cobot Non-Cart Package</b>	AD2501-12	N/A			800 (363)	N/A	N/A
<b>Cooper™ CRX-25iA Air-Cooled Wire-Brake Welding Cobot Cart</b>	AD2489-19	69 x 46 x 105 (1,743 x 1,174 x 2,662)	55 (25)	74.4 (1,889)	1,995 (905)	64 x 55 (1,625.6 x 1,397)	
<b>Cooper™ CRX-25iA Air-Cooled Wire-Brake Welding Cobot Non-Cart Package</b>	AD2495-22	N/A			571 (259)	N/A	



## Generation II Water-Cooled Cooper™ Cobots

- Water-cooled systems are ideal for heavy-duty, large-diameter wire applications
- Generation II includes a tabletop, easy access to equipment doors, Magnum® PRO Wire-Brake welding torches, and improved cable management bracket clamps
- The Cooper™ App makes it simple for anyone to program and create a quality weld; on-screen instructions guide users step-by-step through the process of creating welds
- Cooper™ Cobots are driven by Lincoln Electric Advanced Welding Equipment - including the Power Wave® R450 and AutoDrive® Robotic Wire feeder - delivering industry-leading innovation for superior weld performance and productivity



Output



Input



Literature

LEA-062123TM2-04 and  
LEA-091924AK1-05

Product Name	Product Number	Cart Dimensions L x W x H in (mm)	Robotic Arm Payload lb (kg)	Robot Arm Reach in (mm)	System Weight lb (kg)	System Work Envelope in (mm)	Fixed Table Payload lb (kg)
Cooper™ CRX-10iA/L Water-Cooled Wire-Brake Welding Cobot Cart	AD2489-17	59 x 35 x 38.5 (1,498.6 x 889 x 977.9)	22 (10)	55.8 (1,418)	1,150 (522)	44 x 35 (1,117.6 x 889)	500 (226)
Cooper™ CRX-10iA/L Water-Cooled Wire-Brake Welding Cobot Non-Cart Package	AD2495-20	N/A			361 (164)	N/A	N/A
Cooper™ GoFa-10 Water-Cooled Wire-Brake Welding Cobot Cart	AD2501-6	59 x 35 x 38.5 (1,498.6 x 889 x 977.9)	55 (25)	74.4 (1,889)	1,150 (522)	50 x 35 (1,270 x 889)	500 (226)
Cooper™ GoFa-10 Water-Cooled Wire-Brake Welding Cobot Non-Cart Package	AD2501-13	N/A			850 (386)	N/A	N/A
Cooper™ CRX-25iA Water-Cooled Wire-Brake Welding Cobot Cart	AD2489-20	69 x 46 x 105 (1,743 x 1,174 x 2,662)	55 (25)	74.4 (1,889)	2,216 (1,005)	64 x 55 (1,625.6 x 1,397)	500 (226)
Cooper™ CRX-25iA Water-Cooled Wire-Brake Welding Cobot Non-Cart Package	AD2495-23	N/A			571 (259)	N/A	



## What's Included

AC » Air-Cooled Welding Torch

WB » Wire Brake Welding Torch

WC » Water-Cooled Welding Torch

SA » AutoDrive® SA Wire Feeder

### Generation II Air-Cooled Cooper™ Cobots

#### Cooper™ CRX-10iA/L AC WB Welding Cobot Cart (AD2489-16)

- The Cooper™ App
- FANUC® CRX robot with tablet-based teach pendant
- Power Wave® R450 robotic welding power source
- AutoDrive® 4R100 wire feeder
- Magnum® PRO air-cooled wire-brake torch
- Fault reset palmstation
- Fixed welding table
- Heavy-duty casters
- Stabilizing kickstand

#### Cooper™ CRX-10iA/L A/C WB Welding Cobot Non-Cart Package (AD2495-19)

- The Cooper™ App
- FANUC® CRX robot with tablet-based teach pendant
- Power Wave® R450 robotic welding power source
- AutoDrive® 4R100 wire feeder
- Magnum® PRO air-cooled wire-brake torch
- Fault reset palmstation
- Fixed welding table
- Heavy-duty casters
- Stabilizing kickstand

#### Cooper™ CRX-25iA A/C WB Welding Cobot Cart (AD2489-19)

- The Cooper™ App
- FANUC® CRX robot with tablet-based teach pendant
- Power Wave® R450 robotic welding power source
- AutoDrive® 4R100 wire feeder
- Magnum® PRO air-cooled wire-brake torch
- Fault reset palmstation
- Fixed welding table
- Heavy-duty casters
- Stabilizing kickstand

#### Cooper™ CRX-25iA A/C WB Welding Cobot Non-Cart Package (AD2495-22)

- The Cooper™ App
- FANUC® CRX robot with tablet-based teach pendant
- Power Wave® R450 robotic welding power source
- AutoDrive® 4R100 wire feeder
- Magnum® PRO air-cooled wire-brake torch
- Fault reset palmstation
- Fixed welding table
- Heavy-duty casters
- Stabilizing kickstand

#### Cooper™ GoFa-10 A/C WB Welding Cobot Cart (AD2501-7)

- The Cooper™ App
- FANUC® CRX robot with tablet-based teach pendant
- Power Wave® R450 robotic welding power source
- AutoDrive® 4R100 wire feeder
- Magnum® PRO air-cooled wire-brake torch
- Fault reset palmstation
- Fixed welding table
- Heavy-duty casters
- Stabilizing kickstand

#### Cooper™ GoFa-10 A/C WB Welding Cobot Non-Cart Package (AD2501-12)

- The Cooper™ App
- FANUC® CRX robot with tablet-based teach pendant
- Power Wave® R450 robotic welding power source
- AutoDrive® 4R100 wire feeder
- Magnum® PRO air-cooled wire-brake torch
- Fault reset palmstation
- Fixed welding table
- Heavy-duty casters
- Stabilizing kickstand

### Generation II Water-Cooled Cooper™ Cobots

#### Cooper™ CRX-10iA/L W/C WB Welding Cobot Cart (AD2489-17)

- The Cooper™ App
- FANUC® CRX robot with tablet-based teach pendant
- Power Wave® R450 robotic welding power source
- AutoDrive® 4R220 wire feeder
- Magnum® PRO water-cooled wire-brake torch
- Cool Wave™ 20S water cooler
- Fault reset palmstation
- Heavy-duty casters
- Stabilizing kickstand

#### Cooper™ CRX-10iA/L W/C WB Welding Cobot Package (AD2495-20)

- The Cooper™ App
- FANUC® CRX-10iA/L Collaborative Arc Welding Robot Arm
- Tablet-Based Teach Pendant
- Power Wave® R450 Power Source
- AutoDrive® 4R220 Wire Feeder
- Magnum® PRO Water-Cooled Wire-Brake Robotic Torch
- Cool Wave® 20S Water Cooler

## What's Included

AC » Air-Cooled Welding Torch

WB » Wire Brake Welding Torch

WC » Water-Cooled Welding Torch

SA » AutoDrive® SA Wire Feeder

### Cooper™ CRX-25iA W/C WB Welding Cobot Cart (AD2489-20)

- The Cooper™ App
- FANUC® CRX robot with tablet-based teach pendant
- Power Wave® R450 robotic welding power source
- AutoDrive® 4R220 wire feeder
- Magnum® PRO water-cooled wire brake torch
- Cool Wave™ 20S Water Cooler
- Fault reset palmstation
- Heavy-duty casters
- Stabilizing kickstand

### Cooper™ CRX-25iA W/C WB Welding Cobot Non-Cart Package (AD2495-23)

- The Cooper™ App
- FANUC® CRX robot with tablet-based teach pendant
- Power Wave® R450 robotic welding power source
- AutoDrive® 4R220 wire feeder
- Magnum® PRO water-cooled wire brake torch
- Cool Wave™ 20S water cooler
- Fault reset palmstation

### Cooper™ GoFa-10 W/C WB Welding Cobot Cart (AD2501-6)

- The Cooper™ App
- ABB GoFa Collaborative Arc Welding Robot Arm
- Power Wave® R450 Power Source
- AutoDrive® 4R220 Wire Feeder
- Magnum® PRO Water-Cooled Wire Brake Robotic Torch
- Cool Wave® 20S Water Cooler
- Heavy-Duty Caster System
- Kickstand Cart Stabilizer

### Cooper™ GoFa-10 W/C WB Welding Cobot Non-Cart Package (AD2501-13)

- The Cooper™ App
- ABB GoFa Collaborative Arc Welding Robot Arm
- Power Wave® R450 Power Source
- AutoDrive® 4R220 Wire Feeder
- Magnum® PRO Water-Cooled Wire Brake Robotic Torch
- Cool Wave™ 20S Water Cooler





# WELD FUME CONTROL

MODEL	FILTER		PROCESS				INPUT Volts/Phase/Hertz	FEATURES				
	System	Size: ft <sup>2</sup> (m <sup>2</sup> )	Stick	TIG	MIG	Flux-Cored		Portable/Mobile	Start/Stop Sensor	Filter Indicator Gauge	Single Arm System	Dual Arm System
<b>PORTABLE</b>												
<b>X-Tractor® Mini</b>	Disposable	118 (11)	●	●	●	●	120/1/60 230/1/50	●	●	●	●	
<b>X-Tractor® 1 Fume Gun</b>	Self-Cleaning	30 (2.8)	●	●	●	●	120/1/50/60 230/1/50/60	●	●		●	
<b>X-Tractor® 2 Fume Gun</b>	Self-Cleaning	160 (15)	●	●	●	●	208/230/3/60, 460/3/60, 575/3/60	●	●	●		●
<b>Prism® Direct Exhaust Fan</b>	Non-Filtration	—	●	●	●	●	115/1/60 230/1/50	●			●	
<b>MOBILE</b>												
<b>Prism® Mobile</b>	Disposable	538 (50)	●	●	●	●	120/1/60 230/1/50	●		●	●	
<b>Prism® Mobile with Mechanized Cleaning</b>	Self-Cleaning	325 (30)	●	●	●	●	115/1/60 230/1/50	●		●	●	
<b>STATIONARY</b>												
<b>Prism® Wall Mount</b>	Disposable	538 (50)	●	●	●	●	—			●	●	●
<b>Prism® Wall Mount with Mechanized Cleaning</b>	Self-Cleaning	560 [52]	●	●	●	●	115/1/60 230/1/50/60			●	●	●
<b>Prism® Circulator®</b>	Self-Cleaning/ Disposable	1280 (118)	●	●	●	●	460/3/60, 575/3/60, 230/3/60					
<b>Prism® Downdraft Direct</b>	Non-Filtration	—	●	●	●	●	—					
<b>Prism® Downdraft Table</b>	Disposable	560 [52]	●	●	●	●	208-230/460/3/60			●		
<b>Prism® Downdraft Table with Mechanized Cleaning</b>	Self-Cleaning	560 [52]	●	●	●	●	208-230/460/3/60		●	●		
<b>Prism® Exhaust Booth</b>	Disposable	560 [52]	●	●	●	●	230/1/60 230/3/60			●	●	

**ROBOTIC SYSTEMS** » Robotic On-Torch Fume Solutions • Prism® Robotic Line Hood • Prism® Exhaust Hood

**CONFIGURED-TO-APPLICATION** » Prism® Fume Extraction Arms • Booth Specific Fume Extraction Arms • Single and Dual Weld Booths w/Prism® Wall Mount One-Pak® • Modular Extraction Hood • Prism® Exhaust Hood • Ambient Air Solutions • Prism® Central System • Prism® Compact • Push/Pull Systems

**THERMAL SUPPRESSION** » Prism® Thermal Suppression

KEY: ● Excellent ● Good ● Optional



## X-Tractor® Mini

### Industry-Leading Portability and Ease of Use

- High vacuum system designed for confined and hard-to-reach spaces
- Ideal for light duty welding applications
- Start/Stop sensor reduces energy consumption
- Quick and easy filter replacement and maintenance
- Includes E12 HEPA filter
- Great for small industrial shops and educational applications



Shown: X-Tractor® Mini and EN-20 Nozzle (K3972-5)

#### Processes

- Stick
- TIG
- MIG
- Flux-Cored

#### Input



#### Literature

E13.11

- 3-Year Warranty
- Made in the USA of US and foreign content

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Current @ Rated Output	Sound Level	Air Flow CFM	Power Rating HP	Filter Surface Area ft² (m²)	H x W x D in (mm)	Net Wt. lb (kg)
X-Tractor® Mini Base Unit	K3972-3	120/1/60	12.0A	80 dBA	H : 108 L : 95	2.4 (1.2/motor)	118 (11)	29 x 15.6 x 16.8 (736 x 396 x 427)	40 (18.1)
w/EN-20 Nozzle	K3972-5	120/1/60	12.0A						41 (18.6)

## X-Tractor® 1 Fume Gun

### Portable Welding Fume Extractor

- High Vacuum extraction system designed to be used with an extraction nozzle or a fume gun
- Intended for light duty welding in small shops, maintenance applications and for home/hobby projects
- Manually-operated rotary air jet filter cleaning system reduces filter change-over and overall costs
- Quiet operation at <74 dBA
- Automatic Stop/Start provides extraction only when needed



Shown: X-Tractor® 1 Fume Gun and Suction Nozzle One-Pak®

#### Processes

- Stick
- TIG
- MIG
- Flux-Cored

#### Input



#### Literature

E13.17

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Current @ Rated Output	Filter Size, ft² (m²)	Air Flow CFM	H x W x D in (mm)	Net Wt. lb (kg)
X-Tractor® 1 Fume Gun Base Model	K652-1	120/1/50/60	15A	30.1 (2.8)	H : 115 L : 55	13.4 x 26.8 x 15.8 (340 x 680 x 400)	37 (17)
	K652-2	230/1/50/60	9A				49 (22.2)
One-Pak®	K4260-4	120/1/50/60	15A				49 (22.2)

## X-Tractor® 2 Fume Gun

### Portable Welding Fume Extractor

- A 2-port high vacuum extraction system designed to be used with manual welding guns, robotic fume removal torches, or an extraction nozzle
- Intended for medium to heavy-duty applications
- Automatic Stop/Start provides extraction only when needed
- High SCFM controlled at the unit (180 SCFM)
- 160 sq. ft. (14.9 sq. m) of filter media
- Offers filter cleaning to extend filter life and decrease operating costs



#### Processes

- Stick
- TIG
- MIG
- Flux-Cored

#### Input



#### Literature

E13.22

- 3-Year Warranty
- Made in the USA of US and foreign content

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Current @ Rated Output	H x W x D in (mm)	Net Wt lb (kg)
X-Tractor 2 Fume Gun Base Unit	K5271-1	460/3/60	5.2A	44.8 x 26.1 x 32.3 (1138 x 663 x 820)	335 (152)
	K5271-2	208-230/3/60	10.5 - 10.3A		
	K5271-3	575/3/60	3.8A		

## Robotic On-Torch Fume Solutions

### On-Torch Fume Extraction Kits

- High Vacuum - high local pressure where low volumes of air are being extracted
- Source Capture - capture fume at the source without interrupting the shielding gases
- Energy Efficient - uses a lower SCFM compared to robotic hoods
- Simple to Install - kit includes the tools and parts you need for simple set up
- Versatile - use with both air and water cooled torches



Cobot Application



Robotic Application

#### Processes

All robotic welding processes where at-source extraction is preferred

#### Literature

E13.24

- 3-Year Warranty
- Made in the USA of US and foreign content

### ON-TORCH KIT FOR COBOT APPLICATIONS

10 ft. (3 m) Hose

Product Number	Torch Body Diameter mm (in)	Torch Goose Neck Diameter mm (in)
AD1389-30	50-70 (1.97-2.76)	18-19 (0.71-0.75)
AD1389-31		20-21 (0.79-0.83)
AD1389-32		22-23 (0.87-0.91)
AD1389-33	68-100 (2.67-3.94)	18-19 (0.71-0.75)
AD1389-34		20-21 (0.79-0.83)
AD1389-35		22-23 (0.87-0.91)

### ON TORCH KIT FOR ROBOT APPLICATIONS

25 ft. (7.6 m) Hose

Product Number	Torch Body Diameter mm (in)	Torch Goose Neck Diameter mm (in)
AD1389-36	50-70 (1.97-2.76)	18-19 (0.71-0.75)
AD1389-37		20-21 (0.79-0.83)
AD1389-38		22-23 (0.87-0.91)
AD1389-39	68-100 (2.67-3.94)	18-19 (0.71-0.75)
AD1389-40		20-21 (0.79-0.83)
AD1389-41		22-23 (0.87-0.91)

## Prism® Mobile

### Low Vacuum Mobile Welding Fume Extractors

- Filter status indicator monitors the amount of particulate in the filter cartridge to alert the user for filter replacement
- Generous airflow (735 CFM with Prism® Mobile 10 ft./13 ft. (3 m/4 m) Fume Extraction Arm) and large filter capacity [538<sup>2</sup> ft. 164<sup>2</sup> m]
- Choose from two arm lengths 10 ft. (3.0 m) and 13 ft. (4.0 m) or select a hose/hood set
- Manual or optional automatic on/off (arc sensor) operation



Shown:  
Prism® Mobile w/10 ft. (3 m) Arm and  
Arc Sensor/Lamp Kit One-Pak®

**Processes**

- Stick
- TIG
- MIG
- Flux-Cored

**Input**



**Literature**

E13.21

- 3-Year Warranty
- Made in the USA of US and foreign content

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Current @ Rated Output	Filter Type/ Filter Size, ft <sup>2</sup> (m <sup>2</sup> )	Air Flow CFM	H x W x D in (mm)	Net Wt lb (kg)
<b>Prism® Mobile</b> MERV 14 Filter Base Unit	K1653-4	120/1/60	6.1A	Cellulose/ 538 (50)	735	36 x 32 x 48 (900 x 810 x 1210)	200 (90.7)
w/ 10 ft. (3 m) Arm One-Pak®	K4259-2						233 (105.7)
w/ 10 ft. (3 m) Arm and Arc Sensor/Lamp Kit One-Pak®	K4259-3						
w/ 13 ft. (4 m) Arm One-Pak®	K4259-4						237 (107.5)
w/ 13 ft. (4 m) Arm and Arc Sensor/Lamp Kit One-Pak®	K4259-5		238 (108.0)				
<b>Prism® Mobile</b> MERV 16 Filter Base Unit	K1653-5	120/1/60	7.6A	High-Efficiency featuring Nano fibers/ 538 (50)	735	36 x 32 x 48 (900 x 810 x 1210)	209 (94.8)
w/ 10 ft. (3 m) Arm One-Pak®	K4259-6						242 (109.8)
w/ 10 ft. (3 m) Arm and Arc Sensor/Lamp Kit One-Pak®	K4259-7						243 (110.2)
w/ 13 ft. (4 m) Arm One-Pak®	K4259-8						246 (111.6)
w/ 13 ft. (4 m) Arm and Arc Sensor/Lamp Kit One-Pak®	K4259-9						247 (112.0)

## Prism® Direct Exhaust Fan

### Compact Welding Fume Exhaust Unit

- Ideal for construction sites or applications where fume removal does not require filtration
- Weighs only 37.5 lbs. (17 kg)
- Low 69 dB(A) noise level
- Maximum 32 ft. (9.8 m) reach distance with hood and hose set or extension hose set



Shown:  
Prism® Direct Exhaust Fan One-Pak®

**Processes**

- Stick
- TIG
- MIG
- Flux-Cored

**Input**



**Literature**

E13.42

- 3-Year Warranty

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Current @ Rated Output	Filter Type/ Filter Size, ft <sup>2</sup> (m <sup>2</sup> )	Air Flow CFM	H x W x D in (mm)	Net Wt. lb (kg)
<b>Prism® Direct Exhaust Fan Base Model</b>	K1666-3	115/1/60	10A	No Filtration, Exhaust Only	Up to 765 depending on length of hose(s) used	23.1 x 18.9 x 18.6 (587 x 480 x 472)	37.5 (17)
<b>One-Pak®</b>	K4260-3		10A				78 (35.3)

## Prism® Mobile with Mechanized Cleaning

### Mobile Self-Cleaning Fume Extraction System

- Automatic cleaning system simplifies filter maintenance
- Filter status indicator monitors amount of particulate in filter cartridge to alert the user for filter maintenance or replacement
- Generous airflow (735 CFM with Prism® Mobile 10 ft./13 ft. [3 m/4 m] Fume Extraction Arm) and large filter capacity (325 ft.<sup>2</sup> [30 m<sup>2</sup>])
- Choose from two arm lengths 10 ft. (3.0 m) and 13 ft. (4.0 m) or select a hose/hood set
- Manual or optional automatic on/off (arc sensor) operation



#### Processes

- Stick
- TIG
- MIG
- Flux-Cored

#### Input



#### Literature

E13.21

- 3-Year Warranty
- Made in the USA of US and foreign content

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Current @ Rated Output	Filter Type/ Filter Size, ft <sup>2</sup> [m <sup>2</sup> ]	Air Flow CFM	H x W x D in (mm)	Net Wt lb (kg)
<b>Prism® Mobile with Mechanized Cleaning</b> MERV 14 Filter Base Unit	K1741-3	115/1/60	7.6A	Cellulose/ 325 [30]	735	40 x 32 x 48 (1020 x 810 x 1210)	220 (99.7)
w/ 10 ft. [3 m] Arm One-Pak®	K4384-1						253 (114.7)
w/ 10 ft. [3 m] Arm and Arc Sensor/Lamp Kit One-Pak®	K4384-2						254 (115.2)
w/ 13 ft. [4 m] Arm One-Pak®	K4384-3						257 (116.5)
w/ 13 ft. [4 m] Arm and Arc Sensor/Lamp Kit One-Pak®	K4384-4						258 (117)
<b>Prism® Mobile with Mechanized Cleaning</b> with MERV 16 Filter Base Unit	K1741-4	115/1/60	7.6A	High-Efficiency featuring Nano fibers/ 325 [30]	735	40 x 32 x 48 (1020 x 810 x 1210)	229 (103.8)
w/ 10 ft. [3 m] Arm One-Pak®	K4384-5						262 (118.8)
w/ 10 ft. [3 m] Arm and Arc Sensor/Lamp Kit One-Pak®	K4384-6						263 (119.2)
w/ 13 ft. [4 m] Arm One-Pak®	K4384-7						266 (120.6)
w/ 13 ft. [4 m] Arm and Arc Sensor/Lamp Kit One-Pak®	K4384-8						267 (121.1)

## Prism® Wall Mount

### Convenient Wall-Mounted System

- Intended for facilities with fixed work stations and little available floor space
- Designed for light to medium fume extraction and filtration
- Generous airflow up to 735 CFM with Prism® Wall Mount 10 ft. or 13 ft. (3 m/4 m) extraction arms and Prism® 2400 Stationary Fan
- Large filter capacity, 538<sup>2</sup> ft. (164<sup>2</sup> m), increases efficiency, filter life and reduces operational costs



*Prism® Wall Mount Dual Arm with Flexible Fume Extraction Arm and Arc Sensor Lamp Kit One-Pak® [K4261-12]*

**Processes**

- Stick
- TIG
- MIG
- Flux-Cored

**Input**



**Literature**

E13.14

- 3-Year Warranty
- Made in the USA of US and foreign content

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Current @ Rated Output	Filter Type/ Filter Size, ft <sup>2</sup> (m <sup>2</sup> )	Air Flow CFM	H x W x D in (mm)	Net Wt lb (kg)
<b>Prism® Wall Mount MERV 14 Filter Single Arm Base Unit</b>	K1654-4	N/A	N/A	Cellulose/ 538 (50)	735	36 x 32 x 28 (900 x 810 x 730)	90 (41)
One-Pak® MERV 14 Filter w/Flexible 13 ft. (4 m) Single Arm and Starter/Overload Switch	K4261-3	115/1/60	9.4A (Prism® 2400 Stationary Fan)				
One-Pak® MERV 14 Filter w/Flexible 13 ft. (4 m) Single Arm, Arc Sensor/Lamp Kit	K4261-14						
One-Pak® MERV 14 Filter w/Flexible 10 ft. (3 m) Single Arm and Starter/Overload Switch	K4261-2						
One-Pak® MERV 14 Filter w/Flexible 10 ft. (3 m) Single Arm and Arc Sensor/Lamp Kit	K4261-6						
One-Pak® MERV 14 Filter w/Telescopic 5-8 ft. (1.5-2.4 m) Arm and Starter/Overload Switch	K4261-5						
One-Pak® MERV 14 Filter w/Telescopic 5-8 ft. (1.5-2.4 m) Single Arm, Arc Sensor/Lamp Kit	K4261-17						
One-Pak® MERV 14 Filter w/Telescopic 4-6 ft. (1.2-1.8 m) Single Arm, Starter/Overload Switch	K4261-15						
One-Pak® MERV 14 Filter w/Telescopic 4-6 ft. (1.2-1.8 m) Single Arm, Arc Sensor/Lamp Kit	K4261-16						
<b>Prism® Wall Mount w/MERV 16 Filter Single Arm Base Unit</b>	K1654-6	N/A	N/A	Nano coated Cellulose 538 (50)			
<b>Prism® Wall Mount MERV 14 Filter Dual Arm Base Unit</b>	K1654-5	N/A	N/A	Cellulose/ 538 (50)	1200		102 (46)
One-Pak® MERV 14 Filter w/Dual Flexible 13 ft. (4 m) Arms and Starter/Overload Switch	K4261-9	115/1/60	9.4A (for each Prism® 2400 Stationary Fan)				
One-Pak® MERV 14 Filter w/Dual Flexible 13 ft. (4 m) Arms and Arc Sensor/Lamp Kit	K4261-18						
One-Pak® MERV 14 Filter w/Dual Flexible 10 ft. (3 m) Arms and Starter/Overload Switch	K4261-8						
One-Pak® MERV 14 Filter w/Dual Flexible 10 ft. (3 m) Arms and Arc Sensor/Lamp Kit	K4261-12						
One-Pak® MERV 14 Filter w/Dual Telescopic 5-8 ft. (1.5-2.4 m) Arms and Starter/Overload Switch	K4261-11						
One-Pak® MERV 14 Filter w/Dual Telescopic 5-8 ft. (1.5-2.4 m) Arms and Arc Sensor/Lamp Kit	K4261-21						
One-Pak® MERV 14 Filter w/Dual Telescopic 4-6 ft. (1.2-1.8 m) Arms and Starter/Overload Switch	K4261-19						
One-Pak® MERV 14 Filter w/Dual Telescopic 4-6 ft. (1.2-1.8 m) Arms and Arc Sensor/Lamp Kit	K4261-20						
<b>Prism® Wall Mount w/MERV 16 Filter Dual Arm Base Unit</b>	K1654-9	N/A	N/A	Nano coated Cellulose 538 (50)			



## Prism® Wall Mount with Mechanized Cleaning

### Fume Doesn't Stand a Chance

- Wall-mounted low vacuum systems intended for heavy duty extraction and filtration of welding fume
- Dual arm capacity with optional extended reach up to 27 ft. [8.2 m]
- Automatic self-cleaning filters cut down on filter replacement costs and system maintenance
- Front loading filters
- The integrated spark arrestor functions as a pre-filter for larger-sized particulate and also deadens sparks



Prism® Wall Mount w/Mechanized Cleaning  
Single Arm w/Extension Crane One-Pak®  
[K4468-2]

#### Processes

- Stick
- TIG
- MIG
- Flux-Cored

#### Input



#### Literature

E13.14

- 3-Year Warranty
- Made in the USA of US and foreign content

Product Name	Product Number	Input Power Voltage/Phase/Hz	Input Current @ Rated Output	Filter Type/Filter Size, ft² [m²]	Air Flow CFM	H x W x D in [mm]	Net Wt lb [kg]	
<b>Prism® Wall Mount with Mechanized Cleaning MERV 16 Filter Single Arm Base Unit</b>	K3681-1	115/1/60	0.5A	Cellulose-Polyester MERV 16/568 [52]	735	38 x 34 x 36 [970 x 860 x 910]	270 [122]	
One-Pak® MERV 16 Filter w/Flexible 10 ft. [3 m] Single Arm, Starter/Overload Switch and Prism® 2400 Stationary Fan	K4468-1		9.4A [Prism® 2400 Fan]				—	
One-Pak® MERV 16 Filter w/Flexible 10 ft. [3 m] Single Arm, Arc Sensor/Lamp Kit and Prism® 2400 Stationary Fan	K4468-5							
One-Pak® MERV 16 Filter w/Flexible 13 ft. [4 m] Single Arm, Starter/Overload Switch and Prism® 2400 Stationary Fan	K4468-8							
One-Pak® MERV 16 Filter w/Telescopic 5-8 ft. [1.5-2.4 m] Single Arm, Starter/Overload Switch and Prism® 2400 Stationary Fan	K4468-13							
One-Pak® MERV 16 Filter w/Telescopic 5-8 ft. [1.5-2.4 m] Single Arm, Starter/Overload Switch and Prism® 2400 Stationary Fan	K4468-15							
One-Pak® MERV 16 Filter w/Flexible 10 ft. [3 m] Single Arm, 7 ft. [2.1 m] Extension Crane, Starter/Overload Switch and Prism® 4200 Fan	K4468-2	230/3/60 [Prism® 4200 Fan]	6.8A [Prism® 4200 Stationary Fan]					
One-Pak® MERV 16 Filter w/Flexible 10 ft. [3 m] Single Arm, 14 ft. [4.3 m] Extension Crane, Starter/Overload Switch and Prism® 4200 Fan	K4468-3							
One-Pak® MERV 16 Filter w/Flexible 10 ft. [3 m] Single Arm, 7 ft. [2.1 m] Extension Crane, Arc Sensor/Lamp Kit and Prism® 4200 Fan	K4468-6							
One-Pak® MERV 16 Filter w/Flexible 13 ft. [4 m] Single Arm, 7 ft. [2.1 m] Extension Crane, Starter/Overload Switch and Prism® 4200 Fan	K4468-9							
One-Pak® MERV 16 Filter w/Flexible 13 ft. [4 m] Single Arm, 14 ft. [4.3 m] Extension Crane, Starter/Overload Switch and Prism® 4200 Fan	K4468-10							
<b>Prism® Wall Mount with Mechanized Cleaning MERV 16 Filter Dual Arms Base Unit</b>	K3681-2			115/1/60	0.5A	Cellulose-Polyester MERV 16/568 [52]	1200	290 [131]
One-Pak® MERV 16 Filter w/Flexible 10 ft. [3 m] Dual Arms, Two Arc Sensor/Lamp Kits and Two Prism® 2400 Stationary Fans	K4468-7				9.4A [for each Prism® 2400 Fan]			—
One-Pak® MERV 16 Filter w/Flexible 10 ft. [3 m] Dual Arms, Two Starter/Overload Switches and Two Prism® 2400 Stationary Fans	K4468-17							
One-Pak® MERV 16 Filter w/Flexible 13 ft. [4 m] Dual Arms, Two Starter/Overload Switches and Two Prism® 2400 Stationary Fans	K4468-11							
One-Pak® MERV 16 Filter w/Flexible 13 ft. [4 m] Dual Arms, Two Arc Sensor/Lamp Kits and Two Prism® 2400 Stationary Fans	K4468-19							
One-Pak® MERV 16 Filter w/Telescopic 5-8 ft. [1.5-2.4 m] Dual Arms, Two Starter/Overload Switches and Two Prism® 2400 Stationary Fans	K4468-14							
One-Pak® MERV 16 Filter w/Dual Telescopic 5-8 ft. [1.5-2.4 m] Dual Arms, Two Arc Sensor/Lamp Kits and Two Prism® 2400 Stationary Fans	K4468-16							

## Prism® Fume Extraction Arms

Built with the Welder in Mind

- Ultra-light dent and scratch-resistant material
- 360 degree rotatable hood
- Advanced spring-balanced internal mechanism holds the position you set



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored

**Literature**

E13.16

- Made in the USA of US and foreign content

Product Name	Product Number	Use With	Arm Length ft (m)	CFM with Prism® 2400 Fan (with no filtration)	H x W in (mm)	Net Wt lb (kg)
Prism® Flexible 10 ft (3 m)	K2633-5	Prism® Mobile	10 (3.1)	760	8 x 118 (203 x 3000)	33 (15)
	K1655-8	Prism® Wall Mount				34 (15.4)
Prism® Flexible 10 ft (3 m) (w/ Arc Sensor/Lamp Kit)	K2633-6	Prism® Mobile				
Prism® Flexible 13 ft (4 m)	K2633-7	Prism® Mobile	13 (4.1)	760	8 x 157 (203 x 4000)	37 (16.7)
	K1655-9	Prism® Wall Mount				38 (17)
Prism® Flexible 13 ft (4 m) (w/ Arc Sensor/Lamp Kit)	K2633-8	Prism® Mobile				
Prism® Telescopic 4-6 ft (1.2-1.8 m)	K1655-15	Prism® Wall Mount	Variable from 4.0-6.0 (1.2-1.8)		8 x 48 x 72 (203 x 1220 x 1830)	57 (26)
Prism® Telescopic 5-8 ft (1.5-2.4 m)	K1655-14	Prism® Wall Mount	Variable from 5.0-8.2 (1.5-2.5)		8 x 62 x 100.5 (203 x 1575 x 2553)	59.5 (27)

## Prism® Downdraft

### Dual Purpose Workbench and Extraction System

- Prism® Downdraft table models feature strong back and downdraft extraction capacity, 3-stage spark arrestor and sizable 560 ft<sup>2</sup> (52 m<sup>2</sup>) of filter media
- Automatic Filter Cleaning: The on-board Mechanized Cleaning model uses blasts of compressed air (external resource) to knock particulate from the filter surfaces, extending the time interval between filter replacements.
- The Prism® Downdraft Direct model is designed for fabricators that prefer to add their own extraction system to the downdraft table



Shown: Prism® Downdraft

#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Plasma Cutting
- Grinding<sup>(1)</sup>

#### Input<sup>(2)</sup>



#### Literature

- E13.50 Prism® Downdraft
- E13.53 Prism® Downdraft Direct

- 3-Year Warranty
- Made in the USA of US and foreign content

<sup>(1)</sup> Not suitable for use when grinding Aluminum, Magnesium or other explosive materials.

<sup>(2)</sup> Downdraft only.

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Current @ Rated Output	Filter Type	Filter Size ft <sup>2</sup> (m <sup>2</sup> )	Air Flow CFM	H x W x D <sup>(1)</sup> in (mm)	Net Wt lb (kg)
Prism® Downdraft With Mechanized Cleaning	K2751-11	208-230/460/3/60	11.7-10.5/5.4A	MERV 16	560 (52)	N/A	61.6 x 54.7 x 39.2 (1565 x 1389 x 996)	718 (326)
	K2751-16	575/3/60	3.8A					
Prism® Downdraft	K2751-10	208-230/460/3/60	11.7-10.5/5.4A	MERV 16	560 (52)	N/A	61.6 x 54.7 x 39.2 (1565 x 1389 x 996)	683 (311)
	K2751-14	575/3/60	3.8A					
Prism® Downdraft Direct	K2751-9	N/A	N/A	No Filtration	N/A	N/A	54.7-61.7 x 36 x 54.1 (1389-1567 x 914.4 x 1374.1)	330 (150)

<sup>(1)</sup>For Prism® Downdraft and Prism® Downdraft With Mechanized Cleaning: With height adjustments: 1.5 in. (38 mm) additional height for leveling. With Wheel Kit: 62.9 in. (1598 mm) height.

## Prism® Robotic Line Hood

### Engineered to Fit Your Space

- Designed for large scale automated production lines (up to 30 robotic arms)
- Engineered to fit a range of production line sizes and unique floor-plans
- Utilizing standard construction materials, the Prism® Robotic Line Hood is the most economical option for welding production lines with three or more robotic arms
- Mounting Options - The hood can be Mounted to the Automation Cell, on Stand alone legs or Suspended from the ceiling
- Installed by the Experts - Materials are field cut-to-size, assembled and installed



#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Plasma Cutting
- Arc Gouging
- Grinding<sup>(1)</sup>

Contact your local TSR, who can put you in touch with a Lincoln Electric Environmental Sales Specialist.

## Prism® Exhaust Hoods

### Simple. Flexible. Cost Effective.

- Standard square or rectangular hood for small automated setups with 1 to 2 robotic arms or manual welding stations
- Manage your automation welding & cutting fume extraction with cost-effective simplicity
- Capture fume without sacrificing quality and efficiency
- With its modular design and extensive range of standard sizes, you can customize a Prism® Exhaust Hood to fit your exact automation cell dimensions
- Maximize your fume management strategy by pairing your hood with a Prism® or Prism® Compact system
- Shipped Assembled



#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Plasma Cutting
- Arc Gouging
- Grinding<sup>(1)</sup>

#### Literature

E13.120

#### Order

AD2458 Series

Many combinations are available to fit your needs. For further assistance, contact your local TSR, who can put you in touch with a Lincoln Electric Environmental Sales Specialist.

<sup>(1)</sup> Not suitable when grinding aluminum, magnesium, or other materials which may produce explosive dust

## Standalone Welding Booths

### Create an Effective and Efficient Space for Teaching

- Single or multiple booth configurations and installations are possible
- Booths can be ordered in 4 ft. (1.2 m) through 8 ft. (2.4 m) widths
- Adjacent booths (side-to-side or back-to-back), share dividing panels to minimize the number of panels and posts required for setup
- Powder-coated anti-reflective black finish paint is durable and reduces arc reflection
- Booth walls have an open space of 18 in. (457 mm) at the bottom for air circulation and safety



Single Standalone  
(Side-by-Side Starter)



Single Add-On



Back-to-Back Standalone  
(Back-to-Back Starter)



Back-to-Back  
Add-On

#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Plasma Cutting
- Oxyfuel Cutting

#### Literature

E13.51

Product Number	Product Description	Interior Dimensions ft (m)	Exterior Overall Dimensions ft (m)	Height ft (m)	Panel Construction	Reinforced Frame
K5737-1	5 ft. (1.5 m) Single, Standalone Weld Cell (Side-by-Side Starter)	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)	7.5 (2.23)	16 Gauge sheet metal	11 Gauge angle
K5737-2	5 ft. (1.5 m) Side-by-Side Add-On Weld Cell	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)			
K5737-3	5 ft. (1.5 m) Back-to-Back, Standalone Weld Cell (Back-to-Back Starter)	5 x 5 (1.5 x 1.5) per cell	5.5 x 11 (1.7 x 3.4)			
K5737-4	5 ft. (1.5 m) Back-to-Back Add-On Weld Cell	5 x 5 (1.5 x 1.5) per cell	5.5 x 11 (1.7 x 3.4)			

For additional weld booth sizes (4 ft., 6 ft., 7 ft., 8 ft., etc.) contact a Lincoln Electric Environmental Specialist for a quote.

## Lockable Storage Cabinet

- Ideal for storing welding helmets, jackets, gloves, small tools and related items
- Recessed stainless steel paddle latch and padlock loop
- All steel construction
- 38.45 H x 21 W x 20 L in. (977 x 533 x 508 mm)



#### Order Number

L15788-6

#### Literature

E13.51



## Adjustable Stool

- Heavy-duty stool with durable construction ideal for the welding booth
- Weight capacity of 500 lbs. (227 kg)
- Seat height adjustable from 24.5 in. to 32.5 in. (622 mm to 826 mm) in one-inch increments
- Steel base construction



### Order Number

K5467-1

### Literature

E13.51

## LED Light Kit

- Kit includes two 3 ft. (0.91 m) long LED light bars, mounting hardware, connecting cables and on/off switch



### Order Number

AD1389-20 - 4 - 5 ft. (1.2 to 1.5 m) wide booths

AD1389-21 - 6 ft. (1.8 m) and wider booths

### Input



### Literature

E13.51

## Booth Curtain Kit

- Overlapping red-orange strip curtains cover entire entrance to booth and help to protect other students and workers from arc flash and sparks. Curtain material compliant with AWS F2.3m-2011
- Kits include welding screen, mounting brackets and hardware



### Order Number

K5249-1 Booth Curtain Kit, 50 in. W x 66 in. H (1270 x 1676 mm) [For 4 ft. (1.2 m) wide Weld Booth]

K5249-2 Booth Curtain Kit, 62 in. W x 66 in. H (1575 x 1676 mm) [For 5 ft. (1.5 m) wide Weld Booth]

K5249-3 Booth Curtain Kit, 74 in. W x 66 in. H (1880 x 1676 mm) [For 6 ft. (1.8 m) wide Weld Booth]

K5249-4 Booth Curtain Kit, 86 in. W x 66 in. H (2184 x 1676 mm) [For 7 ft. (2.1 m) wide Weld Booth]

K5249-5 Booth Curtain Kit, 98 in. W x 66 in. H (2489 x 1676 mm) [For 8 ft. (2.4 m) wide Weld Booth]

### Literature

E13.51

## Prism® Exhaust Booth

### Weld Booth with Top-Mounted Fume Extraction – One-Paks®

- Plug-and-Play Format – Drop-in welding booth with fume extraction designed for small schools and shops
- Duct-Free Design – No ductwork required. Simply provide power to the unit
- Dual Coverage – Captures weld fume in two key locations – near the fume source with the fume extraction arm and through the vent hood
- Optimized Air Control – Easily adjust the airflow rate and balance between the arm and hood extraction points
- Versatile Configurations – Booths can be ordered in standalone, side-by-side and back-to-back formats



#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Plasma Cutting
- Oxyfuel Cutting

#### Literature

E13.51

Product Description	Product Number	Interior Dimensions ft (m)	Exterior Overall Dimensions ft (m)	Height ft (m)	Panel Construction	Reinforced Frame
Prism® Exhaust Booth Standalone (Side-by-Side Starter), 230V, 3 Phase - One-Pak®	K5664-1	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)	9.9 (3)	16 Gauge sheet metal	11 Gauge angle
Prism® Exhaust Booth Side-by-Side Add-On, 230V, 3 Phase - One-Pak®	K5664-2	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)			
Prism® Exhaust Booth Back-to-Back Standalone (Back-to-Back Starter), 230V, 3 Phase - One-Pak®	K5664-3	5 x 5 (1.5 x 1.5)	5.5 x 11 (1.7 x 3.4)			
Prism® Exhaust Booth Back-to-Back Add-On, 230V, 3 Phase - One-Pak®	K5664-4	5 x 5 (1.5 x 1.5)	5.5 x 11 (1.7 x 3.4)			
Prism® Exhaust Booth Standalone (Side-by-Side Starter), 230V, 1 Phase - One-Pak®	K5664-5	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)			
Prism® Exhaust Booth Side-by-Side Add-On, 230V, 1 Phase - One-Pak®	K5664-6	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)			
Prism® Exhaust Booth Back-to-Back Standalone (Back-to-Back Starter), 230V, 1 Phase - One-Pak®	K5664-7	5 x 5 (1.5 x 1.5)	5.5 x 11 (1.7 x 3.4)			
Prism® Exhaust Booth Back-to-Back Add-On, 230V, 1 Phase - One-Pak®	K5664-8	5 x 5 (1.5 x 1.5)	5.5 x 11 (1.7 x 3.4)			

## Welding Tables

- The Welding Table with Post and Fixture is ruggedly built and features a 1/4 in. (6.4 mm) thick steel top with a mechanical tubing frame and legs. The legs have provision for lagging the table to the floor. The table includes a 46 in. (1168 mm) tall adjustable post that can be installed on the right or left side of the table and a 25 in. (635 mm) long welding fixture
- The Standard Floor-Mounted Half-Circle Welding Table features a half-circle tabletop with convenient storage underneath for gloves and small tools
- The Floor-Mounted Rectangular Pipe Welding Table features a height-adjustable rectangular table with a 20 in. (508 mm) bar and pipe clamp fixture and storage area



Shown: Welding Table with Post and Fixture

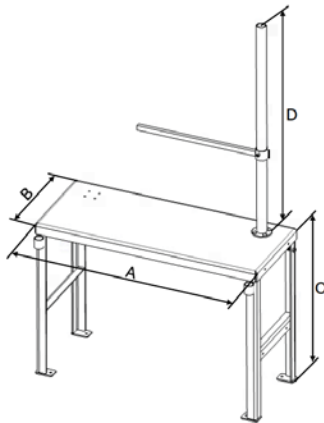


Shown: Floor-Mounted Rectangular Pipe Welding Table



Shown: Standard Floor Mounted Half-Circle Welding Table

Literature  
E13.51



Product Description	Product Number	Dimensions - in (mm)			
		A	B	C	D
Welding Table with Post and Fixture	K5248-1	32 (812.8)	16 (406.4)	36.5 (927)	46 (1168.4)
Welding Table with Post and Fixture (ADA Compliant)	K5248-2	47 (1193.8)	19 (482.6)	33.5 (850.9)	46 (1168.4)
Welding Table with Post and Fixture	K5248-3	47 (1193.8)	19 (482.6)	36.5 (927)	46 (1168.4)
Welding Table with Post and Fixture	K5248-7	58 (1473.2)	19 (482.6)	36.5 (927)	46 (1168.4)



Shown: Floor-Mounted Rectangular Pipe Welding Table

Product Description	Product Number	Dimensions of Table in (mm)	Overall Dimensions in (mm)
Standard Floor-Mounted Half-Circle Welding Table	L15788-174	32 in. (813) diameter	78H* x 14W x 10L (1981 x 355 x 254)
Floor-Mounted Rectangular Pipe Welding Table	L15788-175	13 x 21 x 0.375 (330 x 533 x 9.5)	
Floor Stand with Adjustable Platform	L15788-101	8-1/2 x 8-1/2 (216 x 216)	82.5H* x 13.75W x 10L (2095 x 350 x 254)

\*to top of pole



Shown: Standard Floor Mounted Half-Circle Welding Table

## Single Weld Booth w/Prism® Wall Mount One-Pak®

- Powder-coated anti-reflective black finish paint is durable and reduces arc reflection
- Telescopic counter-weight fume extraction arm
- Prism® wall mount single arm w/Merv 14 filter
- Prism® 2400 Fan has self-cleaning concave blades
- Overlapping red-orange strip curtains cover entire entrance to booth to protect other students and workers from arc flash and sparks. Curtain material compliant with AWS F2.3m-2011



Literature

E13.51

Input



Product Number	Product Description	Interior Dimensions ft (m)	Exterior Overall Dimensions ft (m)	Height ft (m)	Panel Construction	Reinforced Frame
K5563-1	Weld Booth With Prism® Wall Mount One-Pak® - Single	5 x 5 (1.5 x 1.5)	5.8 X 5.9 (1.8 X 1.8)	11.2 (3.4)	16 Gauge sheet metal	11 Gauge Angle
K5563-3	Weld Booth With Prism® Wall Mount One-Pak® - Single	6 x 6 (1.8 x 1.8)	6.8 X 6.9 (2.1 X 2.1)			

## Dual Weld Booth w/Prism® Wall Mount One-Pak®

- Booths have enough floor space to comfortably fit both student and instructor
- Constructed of heavy-duty steel, the powder-coated anti-reflective black finish paint is durable and reduces arc reflection
- Adjacent booths share dividing panels to minimize the number of panels and posts required for the layout
- Booth walls have an open space of 18 in. (457 mm) at the bottom of the weld booth for air circulation and safety (exceeds AWS EG2.0:2006 recommendation of 12 in. (305 mm))
- Overlapping red-orange strip curtains cover the entire booth entrance to protect other students and workers from arc flash and sparks. Curtain material compliant with AWS F2.3m-2011



Literature

E13.51

Input



Product Number	Product Description	Interior Dimensions ft (m)	Exterior Overall Dimensions ft (m)	Height ft (m)	Panel Construction	Reinforced Frame
K5563-2	Weld Booth With Prism® Wall Mount One-Pak® -Dual	5 x 5 (1.5 x 1.5)	10.6 x 5.9 (3.2 X 1.8)	11.2 (3.4)	16 Gauge sheet metal	11 Gauge Angle
K5563-4	Weld Booth With Prism® Wall Mount One-Pak® -Dual	6 x 6 (1.8 x 1.8)	11.6 X 6.9 (3.5 X 2.1)			

## Prism® Central Systems

### Fume Extraction System

- Modular design provides configurations from 2 to 72 filters
- Available in indoor and outdoor configurations
- Automatic fan speed regulation (Variable Frequency Drive) based on filter loading to maximize extraction and conserve energy
- Silencers to reduce airflow noise
- Vertical filter configuration helps extend filter life
- Pulse amplifier technology creates a uniform, high-energy pulse of compressed air to clean the filters
- Available Prism® Thermal Suppression



Shown:  
Prism® 4, 8 and 12

#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Plasma Cutting
- Arc Gouging
- Grinding<sup>(1)</sup>

<sup>(1)</sup> Not suitable for use when grinding Aluminum, Magnesium or other explosive materials.

Prism® Central Systems come in varying sizes and configurations starting with a two-filter model up to a 72-filter model depending on the size of the space being filtered

All Prism® Central Systems are custom designed for your specific application. System considerations include things like fan size based on the space to be filtered, filter media needed, size constraints, and space limitations

Product Name	Filter Type	Fan Sizes HP
Prism® Filter Bank (2 to 72 filter cartridges)	MERV 11, MERV 16 or MERV 16 PTFE Oil Resistant MERV 11, or Oil Resistant MERV 16	7.5-100 (sold separately)

## Push/Pull Systems

### Improve General Workplace Air Quality

- Remove fume and metal particulate layer from the air of your metalworking facility before it settles back to the floor
- Ideal for environments where effective source capture is difficult
- Effective when fabricating large weldments and when the welder needs to frequently change positions



Push/Pull System installed at Elgin Sweeper Company

#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Metal-Cored

#### Literature

MC11-106

Contact your local TSR who can put you in touch with a Lincoln Electric Environmental Sales Specialist



## Ambient Air Solutions

### Filtered Shop Air is Easier Than You Think!

- Free-standing, wall-mountable, or hanging general filtration system for weld fume control; ideal for manufacturing and fabrication facilities, and offers an economical alternative to a push/pull system
- Intended to supplement an existing source extraction system as well as natural draft/forced ventilation to reduce overall concentration of welding fume, dust and dirt in operator areas
- Green Drive™ control system reduces energy costs and increases filter life by continually monitoring operation and automatically adjusting airflow to maintain optimal performance levels
- Automatic Filter Cleaning System. Each time the system is switched off, an automatic cleaning cycle takes place. During this cycle the filter cartridges are cleaned by blasts of compressed air. The dislodged particulate is deposited in the drum beneath the filter



Prism® Circulator



Prism® Suspend, Hanging



Prism® Suspend, Wall Mount

#### Processes

All welding processes where ambient air filtration is preferred

#### Input



#### Order Number

Floor Mounted:

- K5140-1 480V Input w/Nano Filter
- K5140-2 230V Input w/Nano Filter
- K5140-3 480V Input w/PTFE Filter
- K5140-4 230V Input w/PTFE Filter
- K5140-5 575V Input w/Nano Filter
- K5140-6 575V Input w/PTFE Filter

Prism® Suspend, Hanging:

- AD2496-1 480V
- AD2496-2 230V

Wall Mounted:

- AD2496-3 460V
- AD2496-4 230V

*Note: It is recommend that you contact your local TSR, who can put you in touch with a Lincoln Electric Environmental Sales Specialist that will help ensure your units are sized and set up properly.*

(1) For powering control panel

Product Name	Part Number	Filter Type	Number of Filters	Filter Area sq ft (sq m)	Minimum Temperature F (C)	Maximum Temperature F (C)	Footprint (Dimensions) in (mm)	Overall Height in (mm)	Overall Weight lbs (kg)
Prism® Circulator®, 480V w/Nano Filter	K5140-1	MERV 16 Nano	4	1280 (118)	-4° [-20°]	113° (45°)	45 X 65 (1143 x 1651)	147 (3733.8)	1830 (830)
Prism® Circulator®, 480V w/PTFE Filter	K5140-3	MERV 16 PTFE	Two Types of filters - Nano for standard Applications - PTFE for oily Applications (K5140-3 & K5140-4)						
Prism® Circulator®, 230V w/Nano Filter	K5140-2	MERV 16 Nano							
Prism® Circulator®, 230V w/PTFE Filter	K5140-4	MERV 16 PTFE							
Prism® Circulator®, 575V w/Nano Filter	K5140-5	MERV 16 Nano							
Prism® Circulator®, 575V w/PTFE Filter	K5140-6	MERV 16 PTFE							
Filter, MERV 16 Nano, Prism® Central System (White Strap)	KP4519-2	MERV 16 Nano							
Pre-Spark Arrestor (set of 2) DownFlex® 200-M & 400-MS/A <sup>(2)</sup>	KP4052-1	Metal Mesh	2			0.98 x 12.4 x 33.35 (25 x 315 x 841)			

(2) Prism® Circulator® 4000 requires three Spark Arrestor filters (order 2x of KP4052-1 to replace all 3)

## Prism® Compact

### Compact Welding and Cutting Air Filtration System

- Reduced Height
- Crane-less Installation
- VFD (Variable Frequency Drive) Comes Standard
- Quiet Operation
- Simple Maintenance
- Efficient Vertical Filters
- Certified Prism® Thermal Suppression Available



Shown: AD2455-3

#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Plasma Cutting
- Arc Gouging
- Grinding<sup>(1)</sup>

#### Input



#### Literature

E13.110.1

<sup>(1)</sup> Not suitable for use when grinding Aluminum, Magnesium or other explosive materials.

Product Name	Product Number	Input Power Voltage/Phase/Hz	Horsepower	Input Current (amps)	No. of Filters*	Airflow CFM	Inlet Diameter in. (mm)	Clearance Needed	Filter Cleaning Controls	H x W x D in. (mm)	Net Wt lb (kg)
<b>Prism® Compact</b> 5 HP 2400 CFM	AD2455-1	380-480V/3- /50-60Hz	5 HP	7.5	4	2400 @ 8 in. w.g.	1 on back pointing up	3.5 ft min for front 1.5 ft min for 1 side	Pressure based	114 x 45 x 70 (2896 x 1143 x 1778)	1563 (709)
<b>Prism® Compact</b> 10 HP 4000 CFM	AD2455-2		10 HP	14		5000 @ 10 in. w.g.	@ 45° 16 (406)			114 x 45 x 72 (2896 x 1143 x 1829)	1630 (739)
<b>Prism® Compact</b> 5 HP 2400 CFM	AD2455-5		5 HP	7.5		2400 @ 8 in. w.g.	1 on back pointing down	114 x 45 x 70 (2896 x 1143 x 1778)		1563 (709)	
<b>Prism® Compact</b> 10 HP 4000 CFM	AD2455-6		10 HP	14		5000 @ 10 in. w.g.	@ 45° 16 (406)	114 x 45 x 72 (2896 x 1143 x 1829)		1630 (739)	
<b>Prism® Compact</b> 5 HP 2400 CFM w/ Prism® Thermal Suppression	AD2455-3		5 HP	7.5		2400 @ 8 in. w.g.	1 on back pointing up @ 45° 16 (406)	120 x 53 x 70 (3048 x 1345 x 1778)		1661 (753)	
<b>Prism® Compact</b> 10 HP 4000 CFM w/Prism® Thermal Suppression	AD2455-4		10 HP	14		5000 @ 10 in. w.g.		120 x 53 x 72 (3048 x 1345 x 1829)		1727 (783)	
<b>Prism® Compact</b> 5 HP 2400 CFM w/ Prism® Thermal Suppression	AD2455-7		5 HP	7.5		2400 @ 8 in. w.g.	1 on back pointing down @ 45° 16 (406)	120 x 53 x 70 (3048 x 1345 x 1778)		1661 (753)	
<b>Prism® Compact</b> 10 HP 4000 CFM w/Prism® Thermal Suppression	AD2455-8		10 HP	14		5000 @ 10 in. w.g.		120 x 53 x 72 (3048 x 1345 x 1829)		1727 (783)	
<b>Prism® Compact</b> 5 HP 2400 CFM (outdoor installation)	AD2455-9		5 HP	7.5		2400 @ 8 in. w.g.	1 on back pointing up @ 45° 16 (406)	114 x 45 x 70 (2896 x 1143 x 1778)		1563 (709)	
<b>Prism® Compact</b> 10 HP 4000 CFM Outdoor	AD2455-10		10 HP	14		400 @ 10 in.w.g	1 on back pointing up @ 45° 16 (406)	114 x 45 x 70 (2896 x 1143 x 1829)		1630 (739)	

\*NOTE: Sold separately. MERV 11, MERV 16 and MERV 16 PTFE available.

## Prism® Thermal Suppression

### Prevention, Detection, Suppression

- Keep your system running at peak performance and help mitigate thermal events by adding some or all of Lincoln Electric's thermal event solutions to your Prism® System
- Prism® Thermal Suppression can mitigate the risk of thermal events caused by welding and cutting particulate entering the fume extraction unit. This fully integrated fire suppression system is UL-listed, FM-approved and a recommended option by Lincoln Electric
- The Oil Guardian™ can be added to a system to continuously inject limestone powder into the fume control system ductwork which helps to absorb the vaporized oil generated when welding oily parts. The resulting dry matter is blown off the filters during the cleaning cycle
- Spark traps can be placed in the duct to help to prevent sparks from reaching the extraction unit, helping to prevent thermal events



Shown: Spark trap unit



Shown: Prism® Compact with Thermal Suppression System



Shown: Limestone powder being added to an Oil Guardian™

#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Plasma Cutting
- Grinding<sup>(1)</sup>

#### Product Number

Reach out to a Lincoln Electric sales representative or environmental specialist for a quote.

#### Literature

- MC12-20 (Spark Trap, Oil Guardian)
- MC19-157 (Prism® Thermal Suppression)

<sup>(1)</sup> Not suitable for use when grinding Aluminum, Magnesium or other explosive materials.

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### X-Tractor® Mini

#### Base Model (K3972-3)

- 8 ft. length x 1.75 in. interior diameter (2.4 m x 45 mm) extraction hose
- Filter One-Pak®; X-Tractor® Mini® (KP2390-5)
- Pre-Filter, X-Tractor® Mini® (KP2390-3)
- Filter, HEPA, X-Tractor® Mini® (KP2390-4)
- Filter, LongLife-H, X-Tractor® Mini® (KP2390-1)
- 2 spare sets of carbon brushes and seals for motors

#### with EN 20 Nozzle (K3972-5)

- Everything listed above (K3972-3)
- EN 20 Nozzle, Bell Shaped (K2389-5)

### X-Tractor® 1 Fume Gun

#### Base Models (K652-1, K652-2)

- Adapter for 1.75 in. (45 mm) hose
- 16 ft. x 1.75 in. (4.8 m x 45 mm) Diameter Flexible Hose
- 2 Spare Sets of Carbon Brushes for Motors
- Filter cartridge (KP2069-1)
- 12 ft. (3.6 m) power cord

#### X-Tractor® 1GC and SHM-300 Nozzle 120/1/50/60 One-Pak® (K4260-4)

- Everything listed above (K652-1)
- Aluminum Suction Nozzle w/Magnetic Mounting

### X-Tractor® 2 Fume Gun

#### Base Models (K5271-1, K5271-2, K5271-3)

- (2) Inlet Spark Arrestors
- Inlet Plug
- MERV 16 (HE), NANO FILTER
- (2) Cable Management Brackets
- 20 ft. (6 m) Power Cable

### Prism® Direct Exhaust Fan

#### Required Accessories

- Hose and Hood Set, 16 ft. (4.9 m)
- Exhaust or Extension Hose Set, 16 ft. (4.9 m)

#### One-Pak® 115/1/60 (K4260-3)

- Prism® Direct Exhaust Fan Base Model (K1666-3)
- Hose and Hood Set (K1668-1)
- Exhaust or Extension Hose Set (K1668-2)

### Prism® Mobile

#### Base Model w/MERV 14 Filter Welding Fume Extractor (K1653-4)

- Plastic Housing
- Flexible Hose, 2 ft. (0.6 m)
- Pre-Filter; Prism® Mobile and Prism® Wall Mount (KP1673-5)
- Filter; MERV 14; Prism® Mobile and Wall Mount (KP1673-1)

#### w/10 Ft. (3 m) Extraction Arm and MERV 14 Filter - One-Pak® (K4259-2)

- Prism® Mobile 10 Ft. (3 m) Fume Extraction Arm (K2633-5)
- Prism® Mobile w/MERV 14 Filter Welding Fume Extractor Base Unit (K1653-4)

#### w/10 Ft. (3 m) Extraction Arm and MERV 14 Filter and Arc Sensor/Lamp Kit One-Pak® (K4259-3)

- Prism® Mobile w/MERV 14 Filter Welding Fume Extractor Base Unit (K1653-4)
- Prism® Mobile 10 Ft. (3 m) Fume Extraction Arm (K2633-5)

#### w/13 Ft. (4 m) Extraction Arm and MERV 14 Filter - One-Pak® (K4259-4)

- Prism® Mobile 13 ft. (4 m) Fume Extraction Arm (K2633-7)
- Prism® Mobile w/MERV 14 Filter Welding Fume Extractor Base Unit (K1653-4)

#### w/13 Ft. (4 m) Extraction Arm, MERV 14 Filter and Arc Sensor/Lamp Kit - One-Pak® (K4259-5)

- Prism® Mobile 13 ft. (4 m) Fume Extraction Arm (K2633-7)
- Prism® Mobile w/MERV 14 Filter Welding Fume Extractor Base Unit (K1653-4)

#### Base Model w/MERV 16 Filter Welding Fume Extractor (K1653-5)

- Prism® Mobile
- MERV 16 Filter (KP1653-5)
- Plastic Housing
- Flexible Hose 2 ft. (0.6 m)
- Pre-Filter; Prism® Mobile and Prism® Wall Mount (KP1673-5)
- Filter; MERV 16 (HE); Nano; Prism® Mobile and Wall Mount (KP1673-9)
- Filter; MERV 14; Prism® Mobile & Wall Mount (KP1673-1)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### w/10 Ft. (3 m) Extraction Arm and MERV 16 Filter - One-Pak® (K4259-6)

- Prism® Mobile 10 Ft. (3 m) Fume Extraction Arm (K2633-5)
- Prism® Mobile w/ MERV 16 Filter Welding Fume Extractor Base Unit (K1653-5)

### w/10 Ft. (3 m) Extraction Arm, MERV 16 Filter and Arc Sensor/Lamp Kit - One-Pak® (K4259-7)

- Filter; MERV 16 (HE); Nano; Prism® Mobile and Wall unit (KP1673-9)
- Prism® Mobile w/MERV 16 Filter Welding Fume Extractor Base Unit (K1653-5)

### w/13 Ft. (4 m) Extraction Arm and MERV 16 Filter - One-Pak® (K4259-8)

- Prism® Mobile 13 ft. (4 m) Fume Extraction Arm (K2633-7)
- Prism® Mobile w/MERV 16 Filter Welding Fume Extractor Base Unit (K1653-5)

### w/13 Ft. (4 m) Extraction Arm, MERV 16 Filter and Arc Sensor/Lamp Kit - One-Pak® (K4259-9)

- Prism® Mobile 13 ft. (4 m) Fume Extraction Arm with Arc Sensor/Lamp Kit (K2633-8)
- Prism® Mobile w/MERV 16 Filter Welding Fume Extractor Base Unit (K1653-5)

## Prism® Mobile with Mechanized Cleaning

### Required Accessories

- Extraction Arm
- Hose and Hood Kit

### Base Model w/MERV 14 Filter (K1741-3)

- Prism® Mobile
- MERV 14 Filter (KP1653-5)
- Plastic Housing
- Flexible Hose 2 ft. (0.6 m)
- Statiflex® 400 Filter; MERV 14 (KP1673-2)
- Prism® Pre-Filter (KP1673-6)

### w/10 Ft. (3 m) Flexible Arm and MERV 14 Filter - One-Pak® (K4384-1)

- Prism® Mobile 10 Ft. (3 m) Fume Extraction Arm (K2633-5)
- Prism® Mobile with Mechanized Cleaning, MERV 14 Filter, Base Unit (K1741-3)

### w/10 Ft. (3 m) Extraction Arm, MERV 14 Filter and Arc Sensor/Lamp Kit - One-Pak® (K4384-2)

- Prism® Mobile 10 Ft. (3 m) Fume Extraction Arm with Arc Sensor/Lamp Kit (K2633-6)
- Prism® Mobile with Mechanized Cleaning, MERV 14 Filter, Base Unit (K1741-3)

### w/13 Ft. (4 m) Flexible Extraction Arm and MERV 14 Filter - One-Pak® (K4384-3)

- Prism® Mobile 13 ft. (4 m) Fume Extraction Arm (K2633-7)
- Prism® Mobile with Mechanized Cleaning, MERV 14 Filter, Base Unit (K1741-3)

### w/13 Ft. (4 m) Arm and Arc Sensor/Lamp Kit One-Pak® (K4384-4)

- Prism® Mobile with Mechanized Cleaning, MERV 14 Filter, Base Unit (K1741-3)
- Prism® Mobile 13 ft. (4 m) Fume Extraction Arm with Arc Sensor/Lamp Kit (K2633-8)

### Base Model w/MERV 16 Filter (K1741-4)

- Prism® Mobile
- MERV 16 Filter (KP1653-5)
- Plastic Housing
- Flexible Hose 2 ft. (0.6 m)
- Statiflex® 400 Filter; MERV 16; Nano (KP1673-10)
- Prism® Pre-Filter (KP1673-6)

### w/10 Ft. (3 m) Arm MERV 16 One-Pak® (K4384-5)

- Prism® Mobile with Mechanized Cleaning, MERV 16 Filter, Base Unit (K1741-4)
- Prism® Mobile 10 Ft. (3 m) Fume Extraction Arm (K2633-5)

### w/10 Ft. (3 m) Extraction Arm, MERV 16 Filter and Arc Sensor/Lamp Kit - One-Pak® (K4384-6)

- Prism® Mobile 10 Ft. (3 m) Fume Extraction Arm with Arc Sensor/Lamp Kit (K2633-6)
- Prism® Mobile with Mechanized Cleaning, MERV 16 Filter, Base Unit (K1741-4)

### w/13 Ft. (4 m) Flexible Extraction Arm and MERV 16 Filter - One-Pak® (K4384-7)

- Prism® Mobile 13 ft. (4 m) Fume Extraction Arm (K2633-7)
- Prism® Mobile with Mechanized Cleaning, MERV 16 Filter, Base Unit (K1741-4)



## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### w/13 Ft. (4 m) Extraction Arm, MERV 16 Filter and Arc Sensor/Lamp Kit - One-Pak® (K4384-8)

- Prism® Mobile 13 ft. (4 m) Fume Extraction Arm with Arc Sensor/Lamp Kit (K2633-8)
- Prism® Mobile with Mechanized Cleaning, MERV 16 Filter, Base Unit (K1741-4)

### Prism® Wall Mount Single Arm

#### Base Model w/MERV 14 Filter (K1654-4)

- Filter Housing
- Hose - 8 in. (203 mm) diameter
- Hose Clamps (Qty 2)
- Rubber Seal
- Mounting Bracket
- Pre-Filter; Prism® Mobile and Prism® Wall Mount (KP1673-5)
- Filter; MERV 14; Prism® Mobile and Wall Mount (KP1673-1)

### w/13 Ft. (4 m) Flexible Arm, MERV 14 Filter and Arc Sensor/Lamp Kit (K4261-14)

- Prism® Wall Mount Base Unit - Disposable Filter (K1654-4)
- Flexible 13 ft. (4 m) Arm (K1655-9)
- Arc Sensor/Lamp Kit (K1669-4)
- Prism® 2400 1-HP Stationary Fan (K1656-9)

### w/4-6 Ft. (1.2-1.8 m) Telescopic Arm, MERV 14 Filter and Starter Overload Switch - One-Pak® (K4261-15)

- Prism® Wall Mount Base Unit - Disposable Filter (K1654-4)
- Telescopic 4-6 ft. (1.2-1.8 m) Counter-Weight Arm (K1654-4)
- Starter/Overload Switch (K1494-2)
- Prism® 2400 1-HP Stationary Fan (K1656-9)

### w/4-6 Ft. (1.2-1.8 m) Telescopic Arm, MERV 14 Filter and Arc Sensor/Lamp Kit - One-Pak® (K4261-16)

- Prism® Wall Mount Base Unit - Disposable Filter (K1654-4)
- Telescopic 4-6 ft. (1.2-1.8 m) Counter-Weight Arm (K1655-15)
- Arc Sensor/Lamp Kit (K1669-4)
- Prism® 2400 1-HP Stationary Fan (K1656-9)

### w/5-8 Ft. (1.5-2.4 m) Telescopic Arm, MERV 14 Filter and Arc Sensor/Lamp Kit - One-Pak® (K4261-17)

- Prism® Wall Mount Base Unit - Disposable Filter (K1654-4)
- Telescopic 5-8 ft. (1.5-2.4 m) Counter-Weight Arm (K1655-14)
- Arc Sensor/Lamp Kit (K1669-4)
- Prism® 2400 1-HP Stationary Fan (K1656-9)

### w/10 Ft. (3 m) Flexible Arm, MERV 14 Filter and Starter/Overload Switch - One-Pak® (K4261-2)

- K1654-4 Prism® Wall Mount Base Unit - Disposable Filter
- K1655-8 Flexible 10 ft. (3 m) Arm
- K1494-2 Starter/Overload Switch
- K1656-9 Prism® 2400 1-HP Stationary Fan

### w/13 Ft. (4 m) Flexible Arm, MERV 14 Filter and Starter/Overload Switch - One-Pak® (K4261-3)

- Prism® Wall Mount Base Unit - Disposable Filter (K1654-4)
- K1655-9 Flexible 13 ft. (4 m) Arm (K1655-9) Starter/Overload Switch (K1494-2)
- Prism® 2400 1 HP Stationary Fan (K1656-9)
- Pre-Filter; Prism® Mobile & Prism® Wall Mount (KP1673-5)

### w/5-8 Ft. (1.5-2.4 m) Telescopic Arm, MERV 14 Filter and Starter/Overload Switch - One-Pak® (K4261-5)

- Prism® Wall Mount Base Unit - Disposable Filter (K1654-4)
- Telescopic 5-8 ft. (1.5-2.4 m) Counter-Weight Arm (K1655-14)
- Starter/Overload Switch (K1494-2) Prism® 2400 1 HP Stationary Fan (K1656-9) Pre-Filter; Prism® Mobile & Prism® Wall Mount (KP1673-5)

### w/10 Ft. (3 m) Flexible Arm, MERV 14 Filter and Arc Sensor One-Pak® (K4261-6)

- Prism® Wall Mount Base Unit - Disposable Filter (K1654-4)
- Flexible 10 ft. (3 m) Arm (K1655-8)
- Arc Sensor/Lamp Kit (K1669-4)
- Prism® 2400 1 HP Stationary Fan
- Pre-Filter; Prism® Mobile and Prism® Wall Mount (KP1673-5)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Base Model w/MERV 16 Filter (K1654-6)

- Filter Housing
- Hose - 8 in. (203 mm) diameter
- Hose Clamps (Qty 2)
- Rubber Seal
- Mounting Bracket
- Pre-Filter; Prism® Mobile and Prism® Wall Mount (KP1673-5)
- Filter; MERV 14; Prism® Mobile and Wall Mount (KP1673-1)

### Prism® Wall Mount Dual Arm

#### Required Accessories

- Extraction Arm (Qty. 2)
- Stationary Fan (Qty. 2)
- Overload Switch or Arc Sensor/Lamp Kit (Qty. 2)
- Wall Mounting Brackets (Qty. 2)

### Base Model w/MERV 14 Filter (K1654-5)

- Filter Housing
- Hose - 8 in. (203 mm) Diameter (Qty 2)
- Hose Clamps (Qty 4)
- Rubber Seals (Qty 2)
- Non-return Valves (Qty 2)
- 6-8 in. (152 - 203 mm) Reducers (Qty 2)
- 6 in. (152 mm) Adapters (Qty 2)
- Mounting Bracket
- Pre-Filter; Prism® Mobile and Prism® Wall Mount (KP1673-5)
- Filter; MERV 14; Prism® Mobile and Wall Mount (KP1673-1)

### w/10 Ft. (3 m) Arms, MERV 14 Filter and Starter/Overload Switch - One-Pak® (K4261-8)

- Prism® Wall Mount Base Unit - Disposable Filter (K1654-5)
- Flexible 10 ft. (3 m) Arms (Qty 2) (K1655-8)
- Starter/Overload Switches (Qty 2) (K1494-2)
- Prism® 2400 1-HP Stationary Fans (Qty 2) (K1656-9)

### w/13 Ft. (4 m) Arms, MERV 14 Filter and Starter/Overload Switch - One-Pak® (K4261-9)

- Prism® Wall Mount Base Unit - Disposable Filter (K1654-5)
- Flexible 13 ft. (4 m) Arms (Qty 2) (K1655-9)
- Starter/Overload Switches (Qty 2) (K1494-2)
- Prism® 2400 1-HP Stationary Fans (Qty 2) (K1656-9)

### w/5-8 Ft. (1.5-2.4 m) Telescopic Arms, MERV 14 Filter and Starter/Overload Switch - One-Pak® (K4261-11)

- Prism® Wall Mount Base Unit - Disposable Filter (K1654-5)
- Telescopic 5-8 ft. (1.5-2.4 m) Counter Weight Arms (Qty 2) (K1655-14)
- Starter/Overload Switches (Qty 2) (K1494-2)
- Prism® 2400 1-HP Stationary Fans (Qty 2) (K1656-9)

### w/10 Ft. (3 m) Flexible Arms, MERV 14 Filter and Arc Sensor - One-Pak® (K4261-12)

- Prism® Wall Mount Base Unit - Disposable Filter (K1654-5)
- Flexible 10 ft. (3 m) Arms (Qty 2) (K1655-8)
- Arc Sensor/Lamp Kits (Qty 2) (K1669-4)
- Prism® 2400 1 HP Stationary Fans (Qty 2) (K1656-9)

### w/13 Ft. (4 m) Dual Flexible Arms, MERV 14 Filter and Arc Sensor/Lamp Kit - One-Pak® (K4261-18)

- Prism® Wall Mount Base Unit Disposable Filter (K1654-5)
- Flexible 13 ft. (4 m) Arms (Qty 2), (K1655-9)
- Arc Sensor/Lamp Kits (Qty 2) (K1669-4)
- Prism® 2400 1-HP Stationary Fans (Qty 2) (K1656-9)

### w/4-6 Ft. (1.2-1.8 m) Dual Telescopic Arms, MERV 14 Filter and Starter/Overload Switch - One-Pak® (K4261-19)

- Prism® Wall Mount Base Unit Disposable Filter (K1654-5)
- Telescopic 4-6 ft. (1.2-1.8 m) Counter Weight Arms (Qty 2) (K1655-15)
- Starter/Overload Switches (Qty 2) (K1494-2)
- Prism® 2400 1-HP Stationary Fans (Qty 2) (K1656-9)

### w/4-6 Ft. (1.2-1.8 m) Dual Telescopic 4-6 ft. (1.2-1.8 m) Arms, MERV 14 Filter and Arc Sensor/Lamp Kit - One-Pak® (K4261-20)

- Prism® Wall Mount Base Unit Disposable Filter (K1654-5)
- Telescopic 4-6 ft. (1.2-1.8 m) Counter Weight Arms (Qty 2) (K1655-15)
- Arc Sensor/Lamp Kits (Qty 2) (K1669-4)
- Prism® 2400 1-HP Stationary Fans (Qty 2) (K1656-9)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### w/5-8 Ft. (1.5-2.4 m) Dual Telescopic Arms, MERV 14 Filter and Arc Sensor/Lamp Kit - One-Pak® [K4261-21]

- Prism® Wall Mount Base Unit Disposable Filter [K1654-5]
- Telescopic 5-8 ft. (1.5-2.4 m) Counter Weight Arms (Qty 2) [K1655-14]
- Arc Sensor/Lamp Kits (Qty 2) [K1669-4]
- Prism® 2400 1-HP Stationary Fans (Qty 2) [K1656-9]

### Prism® Wall Mount with Mechanized Cleaning Single Arm

#### Base Model w/MERV 16 Filter [K3681-1]

- Base unit w/MERV 16 filter
- Wall mounting bracket
- Hose (8 in. diameter; 59 in. long) [203 mm Diameter; 1499 mm long]
- Hose clamps
- Reducer
- Inlet flange
- Sealing ring
- Rubber sealing bands
- Filter (Set of 2), MERV 16, Nano, Prism® DOWNDRAFT and Prism® Wall Mount with Mechanized Cleaning [KP2752-16]
- Prism® Pre-Filter [KP1673-6]

### w/10 Ft. (3 m) Arm, MERV 16 and Starter/Overload Switch - One-Pak® [K4468-1]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-1]
- Flexible 10 ft. (3 m) Arm [K1655-8]
- Starter/Overload Switches [K1494-2]
- Prism® 2400 1-HP Stationary Fan [K1656-9]

### w/10 Ft. (3 m) Arm, 7 Ft. (2.1 m) Extension Crane and Starter/Overload Switch - One-Pak® [K4468-2]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-1]
- Flexible 10 ft. (3 m) Arm [K1655-8]
- Starter/Overload Switch [K1494-10]
- Prism® 4200 Fan [K1656-4]
- Extension Crane 7 ft. (2.1 m) [K1671-1]

### w/10 Ft. (3 m) Arm, 14 Ft. (4.3 m) Extension Crane and Starter/Overload Switch - One-Pak® [K4468-3]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-1]
- Flexible 10 ft. (3 m) Arm [K1655-8]
- Starter/Overload Switch [K1494-10]
- Prism® 4200 Fan [K1656-4]
- Extension Crane 14 ft. (4.3 m) [K1671-2]

### w/10 Ft. (3 m) Arm, MERV 16 Filter and Arc Sensor/Lamp Kit - One-Pak® [K4468-5]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-1]
- Flexible 10 ft. (3 m) Arm [K1655-8]
- Arc Sensor/ Lamp Kit [K1669-4]
- Prism® 2400 Fan [K1656-9]

### w/10 Ft. (3 m) Flexible Arm, 7 Ft. (2.1 m) Extension Crane and Arc Sensor/Lamp Kit - One-Pak® [K4468-6]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-1]
- Flexible 10 ft. (3 m) Arm [K1655-8]
- Arc Sensor/ Lamp Kit [K1669-10]
- Prism® 4200 Fan [K1656-4]
- Extension Crane 7 ft. (2.1 m) [K1671-1]

### w/13 Ft. (4 m) Flexible Arm, MERV 16 Filter and Starter/Overload Switch - One-Pak® [K4468-8]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-1]
- Flexible 13 ft. (4 m) Arm [K1655-9]
- Starter/Overload Switches [K1494-2]
- Prism® 2400 1-HP Stationary Fan [K1656-9]

### w/13 Ft. (4 m) Arm, MERV 16 Filter and a Starter/Overload Switch - One-Pak® [K4468-9]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-1]
- Flexible 13 ft. (4 m) Arm [K1655-9]
- Starter/Overload Switch [K1494-10]
- Prism® 4200 Fan [K1656-4]
- Extension Crane 7 ft. (2.1 m) [K1671-1]

### w/14 Ft. (4.3 m) Extension Crane, 13 Ft. (4 m) Flexible Arm and Starter/Overload Switch - One-Pak® [K4468-10]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-1]
- Flexible 13 ft. (4 m) Arm [K1655-9]
- Starter/Overload Switch [K1494-10]
- Prism® 4200 Fan [K1656-4]
- Extension Crane 14 ft. (4.3 m) [K1671-2]

### w/5-8 Ft. (1.5-2.4 m) Telescopic Arm, MERV 16 Filter and Starter/Overload Switch - One-Pak® [K4468-13]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-1]
- Telescopic 5-8 ft. (1.5-2.4 m) Arm [K1655-14]
- Starter/Overload Switch [K1494-2]
- Prism® 2400 Fan [K1656-9]

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### w/5-8 Ft. (1.5-2.4 m) Telescopic Arm, MERV 16 Filter and Arc Sensor/Lamp Kit - One-Pak® [K4468-15]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-1]
- Telescopic 5-8 ft. (1.5-2.4 m) Arm [K1655-14]
- Arc Sensor/Lamp Kit [K1669-4]
- Prism® 2400 Fan [K1656-9]

### w/10 Ft. (3 m) Flexible Dual Arms, MERV 16 Filter, Starter/Overload Switch and Prism® 2400 Stationary Fan - One-Pak® [K4468-17]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-2]
- Flexible 10 ft. (3 m) Arms (Qty 2) [K1655-8]
- Starter/Overload Switches (Qty 2) [K1494-2]
- Prism® 2400 Fans (Qty 2) [K1656-9]

### w/13 Ft. (4 m) Flexible Dual Arms, MERV 16 Filter, Arc Sensor/Lamp Kit and Prism® 2400 Stationary Fan - One-Pak® [K4468-19]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-2]
- Flexible 13 ft. (4 m) Arms (Qty 2) [K1655-9]
- Arc Sensor/Lamp Kit (Qty 2) [K1669-4]
- Prism® 2400 Fans (Qty 2) [K1656-9]

### Prism® Wall Mount with Mechanized Cleaning Dual Arm

#### Base Model [K3681-2]

- Base Unit
- Complete Filter Unit
- 8 in. (203 mm) Diameter Connection Hoses, Extended Length, 59 in. (1499 mm) [2]
- 8 in. (203 mm) Diameter Hose Clamps (4); Reducers (2); Inlet Flanges (2); Sealing Rings (2); Rubber Sealing Bands (4)
- Non-Return Valves (2)
- Mounting Bracket

### w/10 Ft. (3 m) Flexible Arms and MERV 16 Filter - One-Pak® [K4468-7]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-2]
- Flexible 10 ft. (3 m) Arms (Qty 2) [K1655-8]
- Arc Sensor/Lamp Kit (Qty 2) [K1669-4]
- Prism® 2400 Fans (Qty 2) [K1656-9]

### w/13 Ft. (4 m) Flexible Dual Arms, MERV 16 Filter and Starter/Overload Switch - One-Pak® [K4468-11]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-2]
- Flexible 13 ft. (4 m) Arms (Qty 2) [K1655-9]
- Starter/Overload Switches (Qty 2) [K1494-2]
- Prism® 2400 1-HP Stationary Fans (Qty 2) [K1656-9]

### w/5-8 Ft. (1.5-2.4 m) Dual Telescopic Arms, MERV 16 Filter and Starter/Overload Switches - One-Pak® [K4468-14]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-2]
- Telescopic 5-8 ft. (1.5-2.4 m) Arms (Qty 2) [K1655-14]
- Starter/Overload Switches (Qty 2) [K1494-2]
- Prism® 2400 Fans (Qty 2) [K1656-9]

### w/5-8 Ft. (1.5-2.4 m) Dual Telescopic Arms, MERV 16 Filter and Arc Sensor/Lamp Kits - One-Pak® [K4468-16]

- Prism® Wall Mount Base Unit with Mechanized Cleaning [K3681-2]
- Telescopic 5-8 ft. (1.5-2.4 m) Arms (Qty 2) [K1655-14]
- Arc Sensor/ Lamp Kits (Qty 2) [K1669-4]
- Prism® 2400 Fans (Qty 2) [K1656-9]

### Prism® Downdraft Direct, Prism® Downdraft Table, Prism® Downdraft Table with Mechanized Cleaning

#### Prism® Downdraft Direct Table [K2751-9]

- Sturdy Welding Table
- Backdraft Panel
- Side Panels
- Dust Collection Tray
- Adjustable Feet

#### Prism® Downdraft Table 208-230/460/3/60 [K2751-10]

- Prism® Downdraft Table
- Discharge Filter; DownFlex® 200-M & 400-MS/A [KP3551-1]
- Pre-Spark Arrestor (Set of 2); DownFlex® 200-M & 400-MS/A [KP4052-1]
- Filters (Set of 2), MERV 16, Nano, Prism® Downdraft, Prism® Wall Mount with Mechanized Cleaning [KP2752-16]
- Spark Arrestor (Set of 2); DownFlex® 100-NF; 200-M & 400-MS/A [KP2752-12]

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### Prism® Downdraft Table 575/3/60 (K2751-14)

- Prism® Downdraft Table
- Discharge Filter; DownFlex® 200-M & 400-MS/A (KP3551-1)
- Pre-Spark Arrestor (Set of 2); DownFlex® 200-M & 400-MS/A (KP4052-1)
- Filters (Set of 2), MERV 16, Nano, Prism® Downdraft and Prism® Wall Mount with Mechanized Cleaning (KP2752-16)
- Spark Arrestor (Set of 2); DownFlex® 100-NF; 200-M & 400-MS/A (KP2752-12)

### Prism® Downdraft Table w/Mechanized Cleaning 208-230/460/3/60 (K2751-11)

- Prism® Downdraft Table
- Discharge Filter; DownFlex® 200-M & 400-MS/A (KP3551-1)
- Pre-Spark Arrestor (Set of 2); DownFlex® 200-M & 400-MS/A (KP4052-1)
- Filters (Set of 2), MERV 16, Nano, Prism® Downdraft and Prism® Wall Mount with Mechanized Cleaning (KP2752-16)
- Spark Arrestor (Set of 2); DownFlex® 100-NF; 200-M & 400-MS/A (KP2752-12)

### Prism® Downdraft Table with Mechanized Cleaning 575/3/60 (K2751-16)

- Prism® Downdraft Table
- Discharge Filter; DownFlex® 200-M & 400-MS/A (KP3551-1) & Pre-Spark Arrestor (Set of 2); DownFlex® 200-M & 400-MS/A (KP4052-1)
- Filters (Set of 2), MERV 16, Nano, Prism® Downdraft and Prism® Wall Mount with Mechanized Cleaning (KP2752-16)
- Spark Arrestor (Set of 2); DownFlex® 100-NF; 200-M & 400-MS/A (KP2752-12)

## Prism Exhaust Booth

### Prism® Exhaust Booth (K5664-ALL)

- Weld Booth Walls
- Telescopic Counter-Weight Fume Extraction Arm
- Top-Mounted Prism® Fume Unit
- Weld Curtain
- Booth Lighting
- Extraction Unit Control Panel

## Single Weld Booth w/Prism® Wall Mount

### 5 x 5 ft. (1.5 x 1.5 m) Single One-Pak® (K5563-1)

- Single 5 x 5 ft. (1.5 x 1.5 m) Weld Booth (K5543-1)
- Prism® Wall Mount Base Unit (K1654-4)
- Arm Mounting Bracket (K5545-1)
- Prism® Wall Mounting Bracket (K5544-1)
- Telescopic 5-8 ft. (1.5-2.4 m) Counter Weight Arm (K1655-14)
- Starter/ Overload Switch (K1494-2)
- Prism® 2400 1 HP Stationary Fan (K1656-9)
- Prism® Pre-Filter (KP1673-5)
- Prism® MERV 14 Filter (KP1673-1)
- Booth Curtain Kit - 62 x 66 in. (1575 x 1676 mm) (K5249-2)

### 6 x 6 ft. (1.8 x 1.8 m) Single One-Pak® (K5563-3)

- Single 6 x 6 ft. (1.8 x 1.8 m) Weld Booth (K5543-3)
- Prism® Wall Mount Base Unit (K1654-4)
- Arm Mounting Bracket (K5545-1)
- Prism® Wall Mount Bracket (K5544-1)
- Telescopic 5-8 ft. (1.5-2.4 m) Counter Weight Arm (K1655-14)
- Starter/ Overload Switch (K1494-2)
- Prism® 2400 1 HP Stationary Fan (K1656-9)
- Prism® Pre-Filter (KP1673-5)
- Prism® MERV 14 Filter (KP1673-1)
- Booth Curtain Kit - 74 x 66 in. (1880 x 1676 mm) (K5249-3)

## Dual Weld Booth w/Prism® Wall Mount

### 5 x 5 ft. (1.5 x 1.5 m) Dual One-Pak® (K5563-2)

- Double 5x5 ft. (1.5 x 1.5 m) Weld Booth (K5543-2)
- Prism® Wall Mount Base Unit (K1654-5)
- Prism® Wall Mount Bracket Dual (K5544-2)
- Arm Mounting Bracket (Qty 2) (K5545-1)
- Telescopic 5-8 ft. (1.5-2.4 m) Counter Weight Arms (Qty 2) (K1655-14)
- Starter/ Overload Switches (Qty 2) (K1494-2)
- Prism® 2400 1 HP Stationary Fans (Qty 2) (K1656-9)
- Prism® Pre-Filter (KP1673-5)
- Prism® MERV 14 Filter (KP1673-1)
- Booth Curtain Kit - 62 x 66 in. (1575 x 1676 mm) (Qty 2) (K5249-2)



## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### 6 x 6 ft. (1.8 x 1.8 m) Dual One-Pak® (K5563-4)

- Double 6 x 6 ft. (1.8 x 1.8 m) Weld Booth (K5543-4)
- Prism® Wall Mount Base Unit (K1654-5)
- Arm Mounting Bracket (Qty 2) (K5545-1)
- Prism® Wall Mount Bracket (K5544-2)
- Telescopic 5-8 ft. (1.5-2.4 m) Counter Weight Arms (Qty 2) (K1655-14)
- Starter/ Overload Switches (Qty 2) (K1494-2)
- Prism® 2400 1 HP Stationary Fans (Qty 2) (K1656-9)
- Prism® Pre-Filter (KP1673-5)
- Prism® MERV 14 Filter (KP1673-1)
- Booth Curtain Kit - 74 x 66 in. (1880 x 1676 mm) (Qty 2) (K5249-3)

### Prism® Compact

#### 5 HP (2400 CFM) Inlet Up (AD2455-1)

- Filtration Unit
- 4 Filters
- 20 Gallon (75.7 L) Collection Bin
- Exhaust Fan
- Fully Integrated Controls
- Exhaust Silencer
- Integrated Spark Arrestor
- Choice of Inlet facing up at a 45° angle or facing down at a 45° angle (Must specify when ordering)

#### 10 HP (4000 CFM) Inlet Up (AD2455-2)

- Filtration Unit
- 4 Filters
- 20 Gallon (75.7 L) Collection Bin
- Exhaust Fan
- Fully Integrated Controls
- Exhaust Silencer
- Integrated Spark Arrestor
- Choice of Inlet facing up at a 45° angle or facing down at a 45° angle (Must specify when ordering)

#### 5 HP (2400 CFM) Inlet Up w/Thermal Protection (AD2455-3)

- Filtration Unit
- 4 Filters
- 20 Gallon (75.7 L) Collection Bin
- Exhaust Fan
- Fully Integrated Controls
- Exhaust Silencer
- Integrated Spark Arrestor
- Prism® Thermal Suppression
- Choice of Inlet facing up at a 45° angle or facing down at a 45° angle (Must specify when ordering)

#### 10 HP (4000 CFM) Inlet Up w/Thermal Protection (AD2455-4)

- Filtration Unit
- 4 Filters
- 20 Gallon (75.7 L) Collection Bin
- Exhaust Fan
- Fully Integrated Controls
- Exhaust Silencer
- Integrated Spark Arrestor
- Prism® Thermal Suppression
- Choice of Inlet facing up at a 45° angle or facing down at a 45° angle (Must specify when ordering)

#### 5 HP (2400 CFM) Inlet Down (AD2455-5)

- Filtration Unit
- 4 Filters
- 20 Gallon (75.7 L) Collection Bin
- Exhaust Fan
- Fully Integrated Controls
- Exhaust Silencer
- Integrated Spark Arrestor
- Choice of Inlet facing up at a 45° angle or facing down at a 45° angle (Must specify when ordering)

#### 10 HP (4000 CFM) Inlet Down (AD2455-6)

- Filtration Unit
- 4 Filters
- 20 Gallon (75.7 L) Collection Bin
- Exhaust Fan
- Fully Integrated Controls
- Exhaust Silencer
- Integrated Spark Arrestor
- Choice of Inlet facing up at a 45° angle or facing down at a 45° angle (Must specify when ordering)

#### 5 HP (2400 CFM) Inlet Down w/Thermal Protection (AD2455-7)

- Filtration Unit
- 4 Filters
- 20 Gallon (75.7 L) Collection Bin
- Exhaust Fan
- Fully Integrated Controls
- Exhaust Silencer
- Integrated Spark Arrestor
- Prism® Thermal Suppression
- Choice of Inlet facing up at a 45° angle or facing down at a 45° angle (Must specify when ordering)

## What's Included

**Base Model/Unit Includes** » Some base models include a set of specific standard accessories

**One-Pak®** » Assembly required

**Ready-Pak®** » Fully assembled

### **10 HP (4000 CFM) Inlet Down w/Thermal Protection (AD2455-8)**

- Filtration Unit
- 4 Filters
- 20 Gallon (75.7 L) Collection Bin
- Exhaust Fan
- Fully Integrated Controls
- Exhaust Silencer
- Integrated Spark Arrestor
- Prism® Thermal Suppression
- Choice of Inlet facing up at a 45° angle or facing down at a 45° angle (Must specify when ordering)

### **Outdoor 5 HP (2400 CFM) Inlet Up (AD2455-9)**

- (4) MERV16 PTFE Filters (KP4519-3)
- Filtration Unit
- 20 Gallon (75.7 L) Collection Bin
- Exhaust Fan
- Fully Integrated Controls
- Outdoor Rated Exhaust Silencer
- Integrated Spark Arrestor

### **Outdoor 10 HP (4000 CFM) Inlet Up (AD2455-10)**

- (4) MERV16 PTFE Filters (KP4519-3)
- Filtration Unit
- 20 Gallon (75.7 L) Collection Bin
- Exhaust Fan
- Fully Integrated Controls
- Outdoor Rated Exhaust Silencer
- Integrated Spark Arrestor

# Accessories

Product Name	Product No.	X-Tractor® Mini		X-Tractor® 2 Fume Gun	Prism® Direct Exhaust Fan		Prism® Mobile			Prism® Mobile with Mechanized Cleaning		
		Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model
		K3972-3	K2497-18	K652-ALL	K1666-3	K2497-11	K1653-4	K1653-5	K2497-12	K1741-3	K1741-4	K2497-14
<b>REQUIRED</b>												
Hose and Hood Set, 16 ft (4.9 m)	K1668-1				•	•						
Exhaust or Extension Hose Set, 16 ft (4.9 m)	K1668-2				•	•						
Hose and Hood Set - 16.4 ft (5 m)	K1668-3						•	•		•	•	
Prism® Mobile 10 ft (3 m) Extraction Arm	K2633-5						•	•	•	•	•	•
Prism® Mobile 13 ft (4 m) Extraction Arm	K2633-7						•	•	•	•	•	•
Prism® Mobile 10 ft (3 m) Extraction Arm with Arc Sensor/Lamp Kit	K2633-6						•	•	•	•	•	•
Prism® Mobile 13 ft (4 m) Extraction Arm with Arc Sensor/Lamp Kit	K2633-8						•	•	•	•	•	•
<b>GENERAL</b>												
EN 20 Extraction Nozzle	K2389-5	•	•	•								
SHM-300 Suction Nozzle, 12 in (300 mm)	K639-1	•	•	•								
SHMS-400 Low Noise Suction Nozzle - 400 mm (16 in)	K639-4	•	•	•								
Undercarriage Kit for X-Tractor® 2	K5540-1			•								
Spark Arrestor Kit for Kohler® CH730, Kubota® V1505 and Kubota® D722 Engines	K1898-1			•								
SHFA Flat Suction Nozzle	K639-5	•	•	•								
UNM Suction Nozzle for Heavy Smoke	K639-6	•	•	•								
NKT Nozzle Kit, 1 in x 8 ft Hose (254 mm x 2.4 m), 1.75 in. (45 mm) Hose Adapter	K2389-3	•	•	•								
NKC Nozzle Kit, 1 in x 8 ft Hose (254 mm x 2.4 m), 1.75 in. (45 mm) Hose Adapter	K2389-4	•	•	•								
Extraction Hose, with Adapters, 1.75 in x 16 ft (45 mm x 4.9 m)	K2389-8	•	•	•								
Extraction Hose, with Adapters, 1.75 in x 8 ft (45 mm x 2.4 m)	K2389-9	•	•	•								
Extraction Hose, 1 in x 8 ft (25 mm x 2.5 m)	K4111-8			•								
Extraction Hose, 1 in x 25 ft (25 mm x 7.6 m)	K4111-25			•								
Extraction Hose, 1.75 in x 8 ft (45 mm x 2.5 m)	K4113-8			•								
Extraction Hose, 1.75 in x 25 ft (45 mm x 7.6 m)	K4113-25			•								

• Required    • Optional

# Accessories

Product Name	Product No.	X-Tractor® Mini		X-Tractor® 2 Fume Gun	Prism® Direct Exhaust Fan		Prism® Mobile			Prism® Mobile with Mechanized Cleaning		
		Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	Base Model	
		K3972-3	K2497-18	K652-ALL	K1666-3	K2497-11	K1653-4	K1653-5	K2497-12	K1741-3	K1741-4	K2497-14
<b>GENERAL, CON'T.</b>												
Adapter, Hose-to-Tube, 1 in to 1 in (25.4-25.4 mm)	K3492-1			•								
Adapter, Hose-to-Tube, 1.75 in to 1.5 in (44.5-38.1 mm)	K3492-2			•								
Adapter, Hose-to-Tube, 1.75 in to 1.75 in (44.5-44.5 mm)	K3492-3			•								
Adapter, Hose-to-Tube, 1.75 in to 2 in (44.5-50.8 mm)	K3492-4			•								
Connector, Hose-to-Hose, 1 in to 1.75 in (25.4-44.5 mm)	K4115-3			•								
Connector, Hose-to-Hose, 1.75 in to 1.75 in (44.5-44.5 mm)	K2389-10	•	•	•								
Hose Connection Outlet	K2389-2	•	•									
MBH Wall Mounting Bracket	K2389-7	•	•									
Connection Kit, X-Tractor® 2 Fume Guns	K3968-1	•	•	•								
Connection Kit, X-Tractor® 4/6 Fume Guns	K3969-1	•	•	•								
LongLife-H Filter X-Tractor® Mini	KP2390-1	•	•									
HEPA Filter X-Tractor® Mini	KP2390-4	•	•									
Pre-filter X-Tractor® Mini	KP2390-3	•	•									
X-Tractor® Mini Filter One-Pak®	KP2390-5	•	•									
Activated Carbon Filter X-Tractor® Mini	KP2389-1	•	•									
Activated Carbon Filter	KP1852-1						•	•	•			
Filter, X-Tractor® 1 Fume Gun, X-Tractor® 2 Fume Guns	KP2069-1			•								
Arc Sensor with Work Lamp for 10 ft (3 m) Mobiflex® Arm	K1669-13						•	•	•	•	•	•
Arc Sensor with Work Lamp for 13 ft (4 m) Mobiflex® Arm	K1669-14						•	•	•	•	•	•
Starter Overload Switch for 230V Prism® 2400 1 HP Fan	K1494-3						•	•		•	•	
MERV 14 Filter Prism® Mobile & Wall Mount	KP1673-1						•	•	•			
MERV 16 (HE) Nano Filter	KP1673-9						•	•	•			
Statiflex® 400 MERV 14 Filter	KP1673-2									•	•	•
MERV 16 (HE) Nano Filter	KP1673-10									•	•	•
Pre-Filter Prism® Mobile and Prism® Wall Mount	KP1673-5						•	•	•			
Pre-Filter	KP1673-6									•	•	•
Filter, X-Tractor® 4 Fume Guns, 3G, 4G	KP2061-1	•	•	•								
Filter, X-Tractor® 6 Fume Guns	KP3984-1	•	•	•								

• Required    • Optional

# Accessories

Product Name	Product No.	Prism® Wall Mount <sup>(1)</sup>			Prism® Wall Mount with Mechanized Cleaning		Prism® Downdraft Direct	Prism® Downdraft Table	Prism® Downdraft Table with Mechanized Cleaning
		Base Model MERV 14 Single Arm	Base Model MERV 14 Dual Arm	Base Model MERV 16 Single Arm	Base Model MERV 16 Single Arm	Base Model MERV 16 Dual Arm	Base Model	Base Model	Base Model
	K1654-4								
	K1654-5								
	K1654-6								
	K3681-1				•	•			
	K3681-2				•	•			
	K2751-9						•		
	K2751-10, -13, -14							•	
	K2751-11, -15, -16								•
<b>REQUIRED FOR PRISM® WALL MOUNT SINGLE AND DUAL ARM<sup>(1)</sup></b>									
<b>Extraction Arms [Category 2]</b>									
Prism® Wall Mount 10 ft (3 m) Extraction Arm	K1655-8				•	•			
Prism® Wall Mount 13 ft (4 m) Extraction Arm	K1655-9				•	•			
Prism® Wall Mount Low Ceiling 13 ft (4 m) Extraction Arm	K1655-13				•	•			
Prism® Telescopic 4-6 ft (1.2-1.8 m) Wall Mount Extraction Arm	K1655-15				•	•			
Prism® Telescopic 5-8 ft (1.5-2.5 m) Wall Mount Extraction Arm	K1655-14				•	•			
<b>Standard System [Category 3A] – Requires fan, starting control and mounting brackets</b>									
Prism® 2400 Stationary Fan (115V/1HP)	K1656-9				•	•			
Prism® 2400 Stationary Fan (230V/1HP)	K2497-13				•	•			
Starter/Overload Switch for 115V	K1494-2				•	•			
Starter/Overload Switch for 230V	K1494-3				•	•			
Arc Sensor/Lamp Kit for Prism® 2400 Stationary Fan (115V)	K1669-4				•	•			
Prism® 2400 Wall Mounting Bracket (use with K1655-8 and K1655-9 Extraction Arms)	K1657-1				•	•			
Prism® 2400 Wall Mounting Bracket (use with K1655-13 Extraction Arm)	K1657-2				•	•			
<b>Extension Crane System [Category 3B] – Requires fan, starting control and extension crane</b>									
Prism® 4200 Stationary Fan (2 HP)	K1656-4				•				
Starter/Overload Switch for Prism® 4200 Stationary Fan	K1494-10				•				
Arc Sensor/Lamp Kit for Prism® 4200 Stationary Fan	K1669-10				•				
Extension Crane, 7 ft (2.1 m)	K1671-1				•				
Extension Crane, 14 ft (4.3 m)	K1671-2				•				

(1) See E13.14 for a list of accessories

**Prism® Wall Mount and Prism® Wall Mount with Mechanized Cleaning »** <sup>(1)</sup>For a Single Arm Package, choose one item from Category 2, and one item each from Systems 3A or 3B. For a Dual Arm Package, choose two items from Category 2, and two items each from System 3A or 3B (Prism® Wall Mount with Mechanized Cleaning only).

• Required      • Optional



# Accessories

Product Name	Product No.	Prism® Wall Mount <sup>(1)</sup>			Prism® Wall Mount with Mechanized Cleaning		Prism® Downdraft Direct	Prism® Downdraft	Prism® Downdraft with Mechanized Cleaning
		Base Model MERV 14 Single Arm	Base Model MERV 14 Dual Arm	Base Model MERV 16 Single Arm	Base Model MERV 16 Single Arm	Base Model MERV 16 Dual Arm	Base Model	Base Model	Base Model
<b>GENERAL</b>									
230V Conversion Kit for Prism® 2400 Fan	K1750-1								
Air Exhaust Silencer	K1534-2								
Prism® Wall Mount Conversion Kit (Single to Dual Arm; 2 Required)	K1743-3								
Central System Connection Kit	K2752-10						•		
Dust Container for DownFlex®	K2752-11						•		
Plasma Cutting Work Grid (max. 50A)	K2752-2						•	•	•
Working Light Kit	K2752-3						•	•	•
Mounting Kit for Bench Vise (cannot use with K2752-2)	K2752-8						•	•	•
Current Activated Start/Stop Sensor	K2752-4								•
Motion Activated Start/Stop Sensor	K2752-5								•
Wheel Kit - max. load 330 lb (149.7 kg)	K2752-6							•	•
Silencer/Outlet Duct	K2752-7							•	•
Dust Tray Lid	K2752-9							•	•
Prism® Wall Mount MERV 14 Cellulose Filter	KP1673-1								
Prism® Wall Mount MERV 16 (HE) Filter	KP1673-9								
Prism® Wall Mount Activated Carbon Filter	KP1852-1								
Prism® Wall Mount Pre-Filter	KP1673-5								
Pre-Spark Arrestors (qty. 2)	KP4052-1							•	•
Spark Arrestors (qty. 2)	KP2752-12				•	•	•	•	•
MERV 16 (HE) Filter (qty. 2)	KP2752-16				•	•		•	•
HEPA Filter Kit	K2752-1							•	•
HEPA Filter for K2752-1	KP2752-14							•	•
Discharge Filter	KP3551-1							•	•
Plasma Cutting Pre-filter Kit (Set of 2 for use in K2752-2)	KP2752-17						•	•	•

(1) See E13.14 for a list of accessories

• Optional

# Accessories

Product Name	Product No.	Statiflex® 6000-MS	Statiflex® Filter Bank	Statiflex® Complete	Prism® Compact	Prism® Filter Bank and Prism® Circulator 4000
		Base Model	Base Model	Base Model	Base Model	Base Model
<b>GENERAL, CON'T.</b>						
Filter (set of 2), MERV 14, Statiflex® 6000-MS, Circulator	KP3367-1	•				
Filter (set of 2), MERV 16, Statiflex® 6000-MS, Circulator	KP3368-1	•				
Filter, MERV 11, Statiflex® Filter Bank	KP3370-1		•	•		
Filter, MERV 16, Nano, Statiflex® Filter Bank	KP3370-2		•	•		
Filter, MERV 16, PTFE, Statiflex® Filter Bank	KP3370-3		•	•		
Filter, MERV 11, Prism® (Black strap)	KP4519-1				•	•
Filter, MERV 16, Nano, Prism® (White strap)	KP4519-2				•	•
Filter, MERV 16, PTFE, Prism® (Red strap)	KP4519-3				•	•
Filter, MERV 11, Oil Resistant, Prism® (Gray strap)	KP4519-4				•	•
Filter, MERV 16, Oil Resistant, Prism® (Orange strap)	KP4519-5				•	•
Pre-Filter Prism® Compact Spark Arrestor	KP4680-1				•	



# EDUCATION SOLUTIONS

MODEL	JOINT CONFIGURATIONS						POSITIONS						STAND	PROCESS					INPUT						
	Flat Plate	Tee Joint	Groove Joint	6 in. Diameter Schedule 40 Pipe	2 in. Diameter XXS Pipe		1G	2F	2G	3F	3G	4F		4G	5G	5F (Pipe on Plate)	6G	All Position	Tabletop	SMAW	GTAW	GMAW	FCAW-GS	FCAW-SS	Phase

## Welding Education Training Systems

<b>VRTEX® 360+ Dual User</b>	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1	50/60	115/230
<b>VRTEX® 360 Compact</b>	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	1	50/60	115/230

**WELDING TRAINING EQUIPMENT ACCESSORIES** » VRTEX® 360 Compact Bundles · VRTEX® 360 Compact Pelican Travel Cases · VRTEX® Tabletop Armrest · VRTEX® 360 Compact Stand Kit · Oxy-fuel Cutting Software and Hardware

**TEACHING AIDS** » Voyage™ Arc · Voyage™ Arc LAN · Teaching Aid Toolbox · Booth Assist

**WELDING EQUIPMENT** » Power Wave® 300C Advanced Education Ready-Pak® · POWER MIG® 262MP Multi-Process Welder Educational One-Pak® · Flextec® 350X PC/DLF-82 Education Ready-Pak® · POWER MIG® 360MP Multi-Process Welder Education One-Pak® · ClassMate® M · ClassMate® GoFa-5 Cobot · ClassMate® CRX-10iA Cobot · ClassMate® Pro · ClassMate® Laser · Welding Booths · Welding Tables · Welding Gear · Welding Curtains

**CUTTING EQUIPMENT** » Torchmate® 4400, 4800, 4505 and 4510 CNC Plasma Cutting Tables

**WELDING FUME CONTROL** » Booth Specific Fume Extraction Arms · Prism® Exhaust Booths · Single and Dual Weld Booths with Prism® Wall Mount One-Paks®

KEY: ● Excellent   ● Good   ● Optional

## One Stop. One Partner.

### Industry-Leading Complete Welding Education Solutions

**FILLER METALS** - Our products cover a comprehensive array of welding processes with a wide range of materials including aluminum, stainless steel and high alloys

**VIRTUAL REALITY WELDING TRAINING SYSTEMS** - VR training combined with traditional training can speed up the process of perfecting welding skills

**AUTOMATION ROBOTIC TRAINERS** - ClassMate® systems give students exposure to new robotic welding technology used in manufacturing workplaces worldwide

**ADVANCED MULTI-PROCESS WELDERS** - Tackle more materials, projects and arc welding processes with an advanced welding power source

**PROFESSIONAL DEVELOPMENT** - Seminars/Classes for welders and instructors at every level

**CURRICULUM** - LEEPS™ welding certification program in partnership with NC3 and U/LINC®

**ENVIRONMENTAL OFFERINGS & CONSULTATION** - Consulting of construction of welding classrooms, booths and schools












## MyLincoln™ Education Portal

### Educational Materials and Resources for Any Welding Program

- Exclusive savings on purchases of filler metals, fume extraction units and filters, Harris® products, welding gear, tools, and guns and accessories
- FREE education resources including posters, decals, training videos, lesson plans, welding guides and technical documents
- Traceable order status and history
- FREE standard shipping on online orders over \$500 in the contiguous United States

<https://www.lincolnelectric.com/education-portal>



 Electrode and Wire	 Welding Gear	 Welding Tools
 Fume Extraction	 Welding Guns and Torches	 VR Headset/ Voyage Arc
 Oxyfuel Cutting Torches and Gas Regulators	 Torches Tips, Nozzles, Cable Liners and More	 Free Educational Resources

## U/LINC® Welding and Cutting Curriculum

Empowering the Next Generation of Welders with Engaging Curriculum

Lincoln Electric's U/LINC® educational program connects welding theory, practice and knowledge through the ToolingU | SME® learning management system

- Instructors can select pre-built curriculum or customize their own
- Subscribers can easily search, download and print lesson plans, class assignments, student handouts, and more
- Lesson plans contain in-depth directions, tips and teaching strategies that leverage Lincoln Electric's over 100 years of welding training knowledge
- Covers welding education on a diverse range of topics, from safety to robotics, CNC plasma cutting, and everything in between

For more information, please review the U/LINC® brochure, MC15-52

**U/LINC**  
CURRICULUM ENGINEERED by LINCOLN ELECTRIC



200+



Lesson Plans

180+



Student Handouts

190+



Assessments

100+



PPT Presentations

100+



Lab Activities

190+



Student Reference Guides

70+



Videos

## Lincoln Electric Education Partner Schools (LEEPS™) Welding Certification Program

In partnership with the National Coalition of Certification Centers (NC3), LEEPS™ is designed for institutions looking to offer a full suite of portable, stackable welding certifications.

- **Curriculum** - LEEPS™ provides curriculum and learning management resources necessary for standardizing welding education and advancing knowledge to the next level
- **Certifications** - NC3 certifications and credentials can be applied across different industries such as welding, transportation, manufacturing, energy, building trades, aviation, and agriculture
- **For Instructors** - Provides instructors valuable professional development through Train-the-Trainer courses, curriculum guidance, and networking opportunities that boost skills, credibility, and confidence
- **For Students** - Provides students a competitive advantage in the career marketplace with comprehensive training, documented skills, and knowledge
- **For Schools** - Provides schools with the curriculum and learning management resources necessary for standardizing welding education and advancing knowledge to the next level, driving graduation and retention rates higher
- **For Industry** - Provides industry fully-qualified, job-ready candidates ensuring potential employers that employees have the foundational knowledge and skills to succeed in the industry

### Literature

EDU-248316  
EDU-248317  
EDU-248318  
EDU-248328





## Custom Training

### Raise the Bar on Skill Development

Codes and standards govern welding processes and metal fabrication to ensure quality, consistency and safety. Do you understand the complexities? Lincoln Electric offers a broad portfolio of custom consulting services to industrial organizations to provide guidance to meet or exceed these standards.

- Technical Training for Welders
- Code Consulting
- Procedure Development Execution Plans
- Engineered Procedures
- Cold Eye Reviews

Our expert instructors can design a custom results-oriented training program just for you. Training can be conducted at your location or at our Welding Technology & Training Center in Cleveland, OH

<https://www.lincolnelectric.com/custom-training>

EXAMPLES OF CUSTOM TRAINING PROGRAMS

- Welding Certification Preparation
- Knowledge / Skill Enhancement
- Master New Welding Process(es)
- Advanced Welding Equipment / Techniques
- Industry / Plant Specific Team Training
- Increase Quality, Cost Savings & Production

Contact us at: [CustomTraining@LincolnElectric.com](mailto:CustomTraining@LincolnElectric.com)

## Lincoln Electric Welding Technology & Training Center

### Dedicated to Advancing Your Welding Skills

- Committed to the transfer of knowledge to anyone desiring to learn the craft and science of welding
- Welding educator train-the-trainer professional development workshops and seminars
- AWS CWI preparation training
- Welding design, alloy and other seminars for welding engineers
- Preparing aspiring welders with the latest technology and tools required by present-day manufacturers and contractors
- Welding Professional Seminars - courses designed specifically for welding professionals seeking advanced training and expertise



#### Processes & Programs

- SMAW
- GTAW
- GMAW
- FCAW
- SAW
- ASME and API Pipe
- AWS CWI preparation
- Plasma Cutting
- Oxyfuel Cutting
- Welding Training Systems
- Train-the-Trainer
- Professional Development
- Distributor Training
- Welding Design Seminars
- Alloy Seminars
- Specialized Workshops

#### Literature

EDU-248302



## VRTEX® 360 Compact

### Portable Virtual Reality Welding Simulator

- Realistic puddle and actual welding sounds help students to respond and correct their welding technique
- Simulates sparks, slag, grinding and weld cooling
- Tracks and scores key weld parameters including work angle, travel angle, travel speed, contact tip to work distance, aim and position
- Improves efficiency by accelerating students' progress and reducing the time required to up-skill
- Reduces costs by eliminating the use of consumables, metal coupons, gas and electricity
- Increases safety with no metal, sparks, heat, gas or fumes
- Allows for more practice creating efficiency and a quicker route to certification



#### Processes Simulated

- SMAW: 6010, 6013 & 7018
- GTAW: with and without filler metal
- GMAW: Short Arc, Spray, Pulse & STT® (pipe only)
- FCAW: Gas-Shielded and Self-Shielded

#### Input



#### Literature

E16.02 and MC22-21

#### Supported by:

U/LINC® curriculum

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Current @ Rated Output	H x W x D in (mm)	Net Wt lb (kg)
VRTEX® 360 Compact Base Model	K4914-1	115/230/1/50/60	4A@115 2A@230	Machine: 15.1 x 11.6 x 18.2 (383.54 x 294.64 x 462.28)	23.5 (with headset) (10.6)
VRTEX® 360 Compact 5-Unit Bundle	K4914-5				
VRTEX® 360 Compact 10-Unit Bundle	K4914-10				
VRTEX® 360 Compact 15-Unit Bundle	K4914-15				
VRTEX® 360 Compact 20-Unit Bundle	K4914-20				

## VRTEX® 360 Compact Travel Case Set

- Two heavy-duty Pelican™ brand carrying cases
- Cases house the VRTEX® 360 Compact and all of its accessories
- Packing instructions assure weight limitations for air travel
- Waterproof, crushproof and dust proof



#### Literature

E16.07

Product Name	Product Number	H x W x D in (mm)	Net Wt lb (kg)
VRTEX® 360 Compact Travel Case Set	K4915-1	26.81 x 20.65 x 14.87 in (1717.04 x 1333.5 x 960.12)	49.8 (22.6)

## VRTEX® 360 Compact Stand Kit

- Optional accessory for VRTEX® 360 Compact models
- Includes the monitor mount, welding table and arm, bracket, adjustable pole, saddle bag and weighted base



Literature  
E16.05

Product Name	Product Number	H x W x D in (mm)	Net Wt.lb (kg)
VRTEX® 360 Compact Stand Kit	K4916-1	80 x 39 x 47 (2032 x 991 x 1194)	210 (48)

## VRTEX® Tabletop Armrest

- Optional accessory for VRTEX® 360 Compact models
- Stores all of the coupons for the VRTEX® 360 Compact
- Assists students with their form

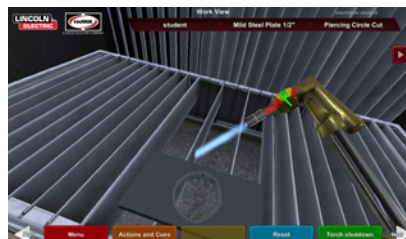


Order Number  
K4917-1

## VRTEX® Upgrade: Oxy-Fuel Cutting Software and Hardware

### A VRTEX Exclusive

- Utilize for an introduction and reinforcement of cutting practices
- Fuel choices: Acetylene and Propane
- Step-by-step torch lighting sequence follows safety protocols and reinforces the importance of reading the flame
- The Oxy-Fuel Cutting software and hardware upgrade can be used with the VRTEX® 360+ Dual and the VRTEX® Compact Welding Simulation Trainers



Order Number  
K4485-1

Processes Simulated  
• Oxy-Fuel Cutting

Literature  
MC20-107

Supported by:  
U/LINC® curriculum

## VRTEX® 360+ (Dual User)

### Virtual Reality Welding Simulation Trainer

- Train two welders independently with one machine - includes two of each process device and coupons
- Realistic weld puddle is responsive to operator behavior
- Retractable SMAW stick stinger, GMAW/FCAW gun and GTAW TIG torch, filler metal and adaptive foot pedal devices
- Supports tee, flat plate, groove, 6 in. (152.4 mm) schedule 40 pipe, 2 in. (50.8 mm) XXS pipe and pipe-on-plate
- AWS virtual bend test for multi-pass pipe welds



#### Processes Simulated

- SMAW: 6010, 6013 & 7018
- GTAW: with and without filler metal
- GMAW: Short Arc, Spray, Pulse & STT® (pipe only)
- FCAW: Gas-Shielded and Self-Shielded

#### Input



#### Literature

MC18-54, E16.09, and MC22-34

Supported by:

U/LINC® curriculum

Product Name	Product Number	Input Power Voltage/Phase/Hertz	Input Current @ Rated Output	H x W x D in (mm)	Net Wt lb (kg)
VRTEX® 360+ (Dual User) Crate	K4602-3	115/230/1/50/60	4A@115 2A@230	Machine: 34.4 x 19.8 x 38.4 (874 x 503 x 975)	Machine: 200 (90.7)
Pallet	K4602-1			Stand: 78.5 x 36 x 46.38 (1993.9 x 914.4 x 1178.1)	PACKAGED WEIGHT: Crate, Machine & Stand: 500 (226.8)
				Crate: 48 x 48 x 48 (1219.2 x 1219.2 x 1219.2)	

## Voyage™ Arc Virtual Reality Headset

### Sparking an Interest in Welding

- An interactive and immersive classroom platform that introduces students to the fundamentals of welding
- A VR amusement park environment offers an exciting, distinctive and engaging backdrop for students to grasp the basic concepts of welding
- With its cutting-edge technology, VR offers a multi-sensory and captivating experience that enables learners to acquire knowledge about welding in a secure and controlled environment
- Whether as a standalone tool or a complementary resource to existing curricula, this classroom solution can serve as a solid foundation for career exploration and skill development



#### Processes

- SMAW
- GMAW

#### Literature

- E16.01
- MC22-112

### What's Included

#### Voyage™ Arc (K5338-1)

- One pico™ neo3 pro VR Headset
- Preloaded Lincoln Electric Module Software
- Two Hand Controllers and Lanyards
- USB-C Cable
- AC Adapter
- Four 1.5V AA Batteries
- pico™ neo3 pro User Guide

#### Voyage™ Arc One-Pak® (10-Unit Bundle w/LAN Controller) (K5338-2)

- Ten Voyage™ Arc VR Headsets (K5338-1)
- Voyage™ Arc LAN Controller with Mercury XRS Software (K5392-1)

#### Voyage™ Arc One-Pak® (20-Unit Bundle w/LAN Controller) (K5338-3)

- Twenty Voyage™ Arc VR Headsets (K5338-1)
- Voyage™ Arc LAN Controller with Mercury XRS Software (K5392-1)

## Voyage™ Arc LAN Controller

- Connects an entire classroom with headsets
- Analytic software makes it easy to monitor and track students' progress
- The dashboard provides data for arc time, travel speed, work angle and contact tip to work distance
- Preloaded software aggregates data into three layouts - Leaderboard, Classroom Progress, and Individual User



#### Order Number

K5392-1

#### Literature

MC22-112

### What's Included

- Lincoln Electric Branded Computer 750-EC70A2-200G
- Mercury XRS Software by Roundtable Learning
- Power Converter
- Power Cable
- WiFi Antenna
- Label Sheet

## Teaching Aid Toolbox

### Bring Your Classroom to Life

- Enhances the learning experience
- Curriculum in a cabinet – Comprehensive array of welding and cutting tools, cutaway Harris® gas regulator and oxyfuel torch
- Bridges the classroom and the lab by illustrating process principles in the classroom
- Includes a set of weld discontinuity flashcards



#### Processes

- SMAW
- GTAW
- GMAW
- FCAW
- Plasma Cutting
- Oxyfuel Cutting

#### Literature

MC17-47

Product Name		Product Number	H x W x D in (mm)	Net Wt. lb (kg)
Teaching Aid Toolbox	with Contents	K4442-1	26.5 x 18 x 34.5 (673.1 x 457.2 x 50.8)	125 (56.7)
	Replacement Cutaway Harris® Oxy-Fuel Torch (1 included with K4442-1 Toolbox)	K4442-2	18 x 6 x 2 (457.2 x 152.4 x 50.8)	4 (1.8)
	Replacement Cutaway Harris® Gas Regulator (1 included with K4442-1 Toolbox)	K4442-3	6 x 7.5 x 5 (152.4 x 190.5 x 127)	4 (1.8)

## Weld Booth Assist

### Welding Booth Monitoring System

- A control panel inside the weld booth pairs with a visual monitoring system permitting instructors to monitor the activity of the entire class at a glance
- The stacked red, amber and green light bar indicate if a booth is occupied, if active welding is taking place, or whether a student needs individual support
- Compatible with any welding process or product
- CSA and CE approved



#### Order Number

K5319-1

#### Input



## Power Wave® 300C Advanced Educational One-Pak®

### Multi-Process Student-Ready Welding Package

- The Industry's only true 300 Amp, 100% duty cycle, all-process machine
- **All-Process Versatility** – Stick, TIG, MIG, Flux-Cored, and Arc Gouging processes, with advanced weld modes, integrated High Frequency and AC/DC capabilities
- **Intelligent Connectivity** – Intelligent, operator-focused interface and powerful Industry 4.0 capabilities including CheckPoint® Production Monitoring



**Processes**

- SMAW, GTAW, GTAW-AC
- GMAW, GMAW-P
- GMAW-AC
- FCAW
- GTAW-HF
- STT® MIG
- CAG

**Output**



**Input**



**Literature**

E5.102

Product Name	Product Number	Input Voltage / Phase / Hertz	Output Range	Rated Output / Voltage / Duty Cycle	Input Current @ Rated Output	H x W x D in (mm)	Net Wt. lb (kg)
<b>Power Wave® 300C Advanced Educational One-Pak®</b>	K4934-1	200-208/220-230/380-415/460/575/1/3/50/60	5-350A	GMAW: 350A / 31.5 V / 40% GMAW: 300A / 29 V / 100%  SMAW: 325A / 33V / 40% SMAW: 280A / 31.2V/100%  FCAW: 350A / 31.5 V / 40% FCAW: 300A / 29 V / 100%  GTAW: 325A / 23V / 40% GTAW: 300A / 22V / 100%	3ph /1ph / 40% Duty Cycle: 4/40/25/20/16.5  3ph /1ph/ 100% Duty Cycle: 35/32/19.5/16/14	39.67 x 20.65 x 39.60  (1007.6 x 524.5 x 1005.8)	226 (102.5)

## POWER MIG® 262MP Multi-Process Welder Educational One-Pak®

### Professional-Grade Performance

- Max output of 300 amps
- Multi-process functionality includes MIG, Pulsed MIG, Stick, Flux-Cored and TIG
- Equipped with cutting-edge technology including Ready.Set.Weld®, ArcFX® and Weld Set Memory
- Rugged MAXTRAC® Industrial Wire Drive allows constant wire feed speed and consistent welds



**Processes**

- SMAW, GTAW, GTAW-AC
- GMAW, GMAW-P
- GMAW-AC
- FCAW
- GTAW-HF
- STT® MIG
- CAG

**Output**



**Input**



**Literature**

E5.102

Product Name	Product Number	Input Voltage / Phase / Hertz	Output Range	Rated Output / Voltage / Duty Cycle	Input Current @ Rated Output	H x W x D in (mm)	Net Wt. lb (kg)
<b>POWER MIG® 262MP Multi-Process Welder Education One-Pak®</b>	K5636-1	208/230/460/575/1/60	5-300 Amps, 50-700 ipm WFS (1.3-17.7 m/min) Max. OCV 90V	230A/26.5V/60%	49.1/44/22.1/17.6	37.5 x 18 x 37.5 (952.5 x 457.2 x 952.5)	312 (141.5)



## Flextec® 350X PC/DLF-82 Education Ready-Pak®

### The Complete Fab Shop System

- Simple power source and wire feeder controls provide easy operation, allowing operators to quickly dial-in the system
- The MAXTRAC® wire drive system, a patented design for simple, toolless setup, helps eliminate bird nesting and allows drive-roll tension adjustment
- Intelligent features such as Synergic Control, Pulsed MIG Mode, and Auto Settings optimize arc performance for low spatter and improved arc control



**Processes**

- CV-MIG,
- Pulsed MIG
- CV-FCAW-G

**Output**



**Input**



**Literature**

E8.13

Product Name	Product Number	Input Power	Output Range	Solid Wire Diameter	Cored Wire Diameter	Wire Feed Speed Range	H x W x D in (mm)	Net Wt. lb (kg)
Flextec® 350X PC/DLF-82 Education Ready-Pak®	K5336-3	40 VDC	500A @ 100%, 600A @ 60%	0.023 - 1/16 (0.58 - 1.6)	0.030 - 5/64 (0.76 - 1.98)	50-800 (1.3 - 20.3)	15.9x12.0x25.6 (403x305x320)	49 (19.5)

## POWER MIG® 360MP Multi-Process Welder Education One-Pak®

### A Professional Welding Solution

- 7-Inch color display enhances communication with the operator
- Multi-Process capable - able to weld MIG, flux-cored, stick, TIG, pulsed MIG, and advanced processes like Pulse-On-Pulse® and Power Mode®
- Welds 4XXX and 5XXX series aluminum for superior quality
- The Pulse-on-Pulse® feature delivers a stacked dime appearance when welding aluminum
- Power Mode® helps to maintain a stable, smooth arc for short arc welding on steel



**Processes**

- MIG, Pulsed
- Flux-Cored
- Stick
- TIG

**Output**



**Input**



**Literature**

E7.60

Product Name	Product Number	Input Voltage / Phase / Hertz	Output Range	Rated Output / Voltage / Duty Cycle	Input Current @ Rated Output	H x W x D in (mm)	Net Wt. lb (kg)
POWER MIG® 360MP Multi-Process Welder Educational One-Pak®	K4778-1	208/230/460/575/1/50/60	5-360 Amps 50-700 ipm WFS (1.3-17.7 m/min) Max. OCV 70V	320A/30V/60%	55/50/25/20A	37.3 x 18 x 40.4 (947.4 x 457.2 x 1026.2)	327 (148.3)

## ClassMate® M Robotic Welding Training System

Advance the Manufacturing Skills of the Next Generation

- Teaching real-life industrial robotic concepts, programming, and welding is crucial to global competitiveness, and can accelerate student skills and employment rates
- Intermediate and Advanced packages include WeldPRO® Simulation Training Software
- Full-featured, operational robotic welding power source can be used to produce actual parts
- Integrated fume control, safety hardware, and welding fixture programming software
- Standard U/LINC® curriculum and Train-the-Trainer programs help every instructor get up to speed fast



**Processes**

- GMAW
- Pulsed GMAW
- FCAW

**Input**



**Output**



**Literature**

LEA-022323TM1-01

Supported by:

U/LINC® curriculum

Product Name	Product Number	Input Power	H x W x D in (mm)	Net Wt. lb (kg)
ClassMate® M	AD2446-20	120V for Robot Operation and Programming  208/230/380-415/460/575/1/3/50/60 for Welding Operation	Sides Expanded: 81.23 x 64.82 x 70 (2063 x 1646 x 1778)  Sides Folded: 81.23 x 32 x 70 (2063 x 813 x 1778)	1000 (453.6)

## ClassMate® GoFa-5 Cobot

Collaborative Robotic Education System

- Equipped with a FANUC® educational software package providing instructors and students with everything they need to learn how to operate the ClassMate® Cobot
- Built for educating and preparing students for the industrial space
- The Power Wave® R450 Power Source welds with a FANUC® CRX robot driven by a Lincoln Electric Power Wave R450 power source
- The easy-to-learn Cooper™ App provides on-screen instructions guiding users step-by-step through the process of creating welds
- ABB GoFa-5 offers the best-in-class motion controlling arm in its class
- Small footprint - fits through a 36 in. (914.4 mm) doorway



**Input**



**Literature**

LEA-122023JT1-01 and  
LEA-010324JT1-01

Supported by:

U/LINC® curriculum

Product Name	Product Number	Robotic Arm Payload lb (kg)	Robot Arm Reach in (mm)	Fixed Table Payload lb (kg)	H x W x D in (mm)	Net Wt. lb (kg)
ClassMate® GoFa-5 Cobot	AD2446-27	11 (5)	41.3 (1,050)	200 (90.7)	50.4 x 37.8 x 79.3 (1,279 x 961 x 2,013)	507 (230)

## ClassMate® CRX-10iA Cobot

### Collaborative Welding Robots for Education

- On screen instructions guide users step-by-step through the process of creating welds; no training required
- FANUC® CRX-10iA cobot arm delivers reliability with Payload of 10 kg. (22 lb.), Reach: 1,249 mm (49.2 in.)
- The Power Wave® R450 Power Source welds with a FANUC® CRX robot driven by a Lincoln Electric Power Wave R450 power source
- The software controls and monitors welding processes delivering the highest levels of weld quality and productivity
- The easy-to-learn Cooper™ App provides on-screen instructions guiding users step-by-step through the process of creating welds



**Input**



**Literature**

LEA-122023JT1-01 and  
LEA-010324JT1-01

**Supported by:**

U/LINC® curriculum

Product Name	Product Number	Robotic Arm Payload lb (kg)	Robot Arm Reach in (mm)	Fixed Table Payload lb (kg)	H x W x D in (mm)	Net Wt. lb (kg)
ClassMate® CRX-10iA Cobot	AD2446-28	22 (10)	49.2 (1,249)	200 (90.7)	50.4 x 37.8 x 79.3 (1,279 x 961 x 2,013)	507 (230)

## ClassMate® Pro

### Industrial Robotic Welding Trainer

- Designed to help welding educators meet the need for advanced manufacturing training
- Pre-configured and self-contained cell constructed for quick and easy installation
- This single-zone, industrial-sized cell is a small footprint system where welders learn to advance their programming and welding skills while replicating a true production environment
- Integrated safety measures and software



**Processes**

- GMAW
- Pulsed GMAW
- FCAW

**Input**



**Output**



**Literature**

E10.130

Product Name	Product Number	Input Power: Voltage/Phase/Hertz	Rated Output: Current / Voltage/Duty Cycle	Input Current @ Rated Output	Output Range	H x W x D in (mm)	Net Wt. lb (kg)
ClassMate™ Pro Basic Package	AD2446-23	208/230/380-415/460/575/3/50/60	GMAW: 550/41.5/40% GMAW: 450/36.5/100%	40% DutyCycle: 80/73/41/37/29 100% DutyCycle: 60/54/30/27/21	5 - 550A	81.23 x 90 x 103 (2063 x 2286 x 2616)	3281 (1488.2)
w/Positioner	AD2446-24					90 x 75 x 97 (2286 x 1905 x 2453) With Door Closed	

<sup>(1)</sup>With specific Tool Set (some restrictions apply). <sup>(2)</sup>Multiple control platforms. <sup>(3)</sup>Cut speeds dependant on process.

## ClassMate® Laser

### Classroom Laser Welding System

- A complete, all-in-one laser-welding cell designed for training students in advanced laser welding technologies
- Utilizing both a laser system and robotic arm, the laser welding process is programmable and integrated via the teach pendant
- Complete with fume extraction, laser optics and - SMC® Thermo-chiller
- Small footprint - fits through a 36 in. (914.4 mm) doorway



**Processes**

- Laser

**Input**



**Output**



**Literature**

E10.125

Product Name	Product Number	Rated Output: Current / Voltage/Duty Cycle	Output Range	Modulation [Pulse] Frequency	Overall Footprint in [mm]	Net Wt. lb (kg)
ClassMate® Laser	AD2446-15	Constant Wattage (CW): 1000 W (at 0% to 100% Duty Cycle)	1000 W Maximum Average Power [5 - 100% Power Tunability]	≤ 100 kHz (with Rise and Fall Times ≤ 5µs)	35 x 78 [889 x 1981]	495 [225]

## Torchmate® 4400, 4800, 4505, and 4510 Education Packages

### Add CNC Cutting to Your Program

- Ideal 2D cutting platform for schools, colleges and training centers
- Unlimited Software Licensing for students and one Master Teacher license
- Complete CNC system includes a plasma cutter and motion controls
- Torchmate® Visual Machine Designer™ software makes it easy to understand nesting, scanning, tool path concepts and more



**Processes**

- CNC Plasma Cutting

**Literature**

US70-1017221HR-09

**Supported by:**

U/LINC® curriculum

Product Name	Cutting Area <sup>(1)</sup> ft (m)	Input Power <sup>(2)</sup> amps/volts	Traverse Speed <sup>(2)</sup> ipm (m/min)	Cut Speed <sup>(2)(3)</sup> ipm (m/min)	Machine Resolution in (µm)	Machine Size [footprint] in (mm)	Material Weight Capacity	Shipping Weight lb (kg)
Torchmate® 4400	16 [1.47]	15 amps @ 115v (table only)	500 [12.7]	500 [12.7]	0.0015	74 x 67 x 63 [1880 x 1702 x 1600]	48 x 48 in holds maximum of 652.8 lbs (40.8 lbs per square foot of 1 in thick carbon steel plate)	1,322 [600]
Torchmate® 4800	32 [2.94]					74 x 114 x 63 [1880 x 2896 x 1600]	48 x 96 in Holds maximum of 1,305.6 lbs (40.8 lbs per square foot of 1 in thick carbon steel plate)	1,847 [838]
Torchmate® 4505	25 [2.32]					86 x 79 x 63 [2184 x 2006 x 1600]	60 x 60 in holds maximum of 1,020 lbs (40.8 lbs per square foot of 1 in thick carbon steel plate)	1,480 [671]
Torchmate® 4510	50 [4.65]					86 x 138 x 63 [2184 x 3505 x 1600]	60 x 120 in holds maximum of 2,040 lbs (40.8 lbs per square foot of 1 in thick carbon steel plate)	2,452 [1,112]

## Men's Standard Welding Gear Ready-Pak®

Best Suited for Beginners, Hobbyists, and Introductory Education Courses

- VIKING™ 1740 Series auto darkening welding helmet provides superior 4C° optics and comfort with 6.3 sq. in. (4064.51 sq. mm) viewing area
- Flame retardant cotton jacket provides lightweight, comfortable upper body protection
- Traditional leather gloves offer versatile protection for welding and fabrication
- Includes essential tools for Stick, MIG and Flux-Cored welding processes



**Order Number**

- K4416-M
- K4416-L
- K4416-XL
- K4416-2XL
- K4416-3XL

**Literature**

E14.002

## Women's Standard Welding Gear Ready-Pak®

Best Suited for Beginners, Hobbyists, and Introductory Education Courses

- VIKING™ 1740 Series auto darkening welding helmet provides superior 4C° optics and comfort with 6.3 sq. in. viewing area
- Flame retardant cotton jacket provides lightweight, comfortable upper body protection
- Women's sized leather gloves designed for optimal performance and comfort in Stick, MIG and TIG applications
- Includes essential tools for Stick, MIG and Flux-Cored welding processes



**Order Number**

- K4416-W-XS
- K4416-W-S
- K4416-W-M
- K4416-W-L
- K4416-W-XL

**Literature**

E14.002

## Men's Intermediate Education Welding Gear Ready-Pak®

Best Suited for Career and Technical Education Programs, High Schools, Hobbyists and Professionals

- VIKING™ 1840 Series auto darkening welding helmet provides superior 4C° optics and comfort with 7 sq. in. viewing area
- Leather sleeved welding jacket provides enhanced upper body protection and improved durability
- Professional face shield provides full face impact protection for grinding applications
- Welders backpack improves storage organization, capacity and comfort
- Complete tool set for setup, welding and inspection



**Order Number**

- K4595-M
- K4595-L
- K4595-XL
- K4595-2XL
- K4595-3XL

**Literature**

E14.002

*NOTE: Welding gear and electrodes available at discounted prices to qualified schools on the MyLincoln™ Education Portal*



## Women's Intermediate Education Welding Gear Ready-Pak®

Best Suited for Career and Technical Education Programs, High Schools, Hobbyists and Professionals

- VIKING™ 1840 Series auto darkening welding helmet provides superior 4C® optics and comfort with 7 sq. in. viewing area
- Leather sleeved welding jacket provides enhanced upper body protection and improved durability
- Women's sized welding gloves designed for optimal performance and comfort in Stick, MIG and TIG applications
- Welders backpack improves storage organization, capacity and comfort
- Complete tool set for setup, welding and inspection



**Order Number**  
 K4595-W-XS  
 K4595-W-S  
 K4595-W-M  
 K4595-W-L  
 K4595-W-XL

**Literature**  
 E14.002

## Men's Advanced Welding Gear Ready-Pak®

Best Suited for Professionals, Complete Hobbyists, Career and Technical Education Programs

- VIKING™ 3350 Series auto darkening welding helmet provides superior 4C® optics and comfort with 7 sq. in. viewing area. 5-year hassle-free warranty
- Leather sleeved welding jacket provides enhanced upper body protection and improved durability
- Complete set of welding gloves designed for optimal performance and comfort in Stick, MIG and TIG applications
- Industrial duffel bag has a 50+ lb. (22.7 kg) carrying capacity for storage of all PPE and tools



**Order Number**  
 K3699-M  
 K3699-L  
 K3699-XL  
 K3699-2XL  
 K3699-3XL

**Literature**  
 E14.002

## Women's Advanced Welding Gear Ready-Pak®

Best Suited for Professionals, Complete Hobbyists, Career and Technical Education Programs

- VIKING™ 3350 Series auto darkening welding helmet provides superior 4C® optics and comfort with 7 sq. in. viewing area. 5-year hassle-free warranty
- Women's sized leather sleeved welding jacket provides enhanced upper body protection and improved durability
- Women's sized welding gloves designed for optimal performance and comfort in Stick, MIG and TIG applications
- Industrial duffel bag has a 50+ lb. (22.7 kg) carrying capacity for storage of all PPE and tools



**Order Number**  
 K3699-W-XS  
 K3699-W-S  
 K3699-W-M  
 K3699-W-L  
 K3699-W-XL

**Literature**  
 E14.002

*NOTE: Welding gear and electrodes available at discounted prices to qualified schools on the MyLincoln™ Education Portal*



## Premium Welding Gear Ready-Pak®

Best Suited for Professionals, Complete Hobbyists, Career and Technical Education Programs

- VIKING™ 3350 ADV Series auto darkening welding helmet, our top-of-line helmet providing superior 4C® optics, comfort and control with 7 sq. in. viewing area and 5-year hassle-free warranty
- Premium leather sleeved welding jacket and arc rated long sleeve shirt provides enhanced upper body protection, increased comfort/fit and improved durability
- Complete set of welding gloves designed for optimal performance and comfort in Stick, MIG and TIG applications
- Industrial dufflepack has a 50+ lb. (22.7 kg) carrying capacity for storage of all PPE & tools



**Order Number**

- K3715-M
- K3715-L
- K3715-XL
- K3715-2XL
- K3715-3XL

**Literature**

E14.002

*NOTE: Welding gear and electrodes available at discounted prices to qualified schools on the MyLincoln™ Education Portal*

## Standalone Welding Booths

### Create an Effective and Efficient Space for Teaching

- Single or multiple booth configurations and installations are possible
- Booths can be ordered in 4 ft. (1.2 m) through 8 ft. (2.4 m) widths
- Adjacent booths (side-to-side or back-to-back), share dividing panels to minimize the number of panels and posts required for setup
- Powder-coated anti-reflective black finish paint is durable and reduces arc reflection
- Booth walls have an open space of 18 in. (457.2 mm) at the bottom for air circulation and safety



Standalone  
(Side-by-Side Starter)



Single Add-On



Back-to-Back Standalone  
(Back-to-Back Starter)



Back-to-Back  
Add-On

#### Processes

- Stick
- TIG
- MIG
- Flux-Cored
- Plasma Cutting
- Oxyfuel Cutting

#### Literature

E13.51

Product Number	Product Description	Interior Dimensions ft (m)	Exterior Overall Dimensions ft (m)	Height ft (m)	Panel Construction	Reinforced Frame
K5737-1	5 ft (1.5 m) Single, Standalone Weld Cell (Side-by-Side Starter)	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)	7.5 (2.23)	16 Gauge sheet metal	11 Gauge angle
K5737-2	5 ft (1.5 m) Side-by-Side Add-On Weld Cell	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)			
K5737-3	5 ft (1.5 m) Back-to-Back, Standalone Weld Cell (Back-to-Back Starter)	5 x 5 (1.5 x 1.5) per cell	5.5 x 11 (1.7 x 3.4)			
K5737-4	5 ft (1.5 m) Back-to-Back Add-On Weld Cell	5 x 5 (1.5 x 1.5) per cell	5.5 x 11 (1.7 x 3.4)			

For additional weld booth sizes (4 ft., 6 ft., 7 ft., 8 ft., etc.) contact a Lincoln Electric Environmental Specialist for a quote.

## Lockable Storage Cabinet

- Ideal for storing welding helmets, jackets, gloves, small tools and related items
- Recessed stainless steel paddle latch and padlock loop
- All steel construction
- 38.45 in. H x 21 in. W x 20 in. L [977 x 533 x 508 mm]



#### Order Number

L15788-6

#### Literature

E13.51

## Adjustable Stool

- Heavy-duty stool with durable construction ideal for the welding booth
- Weight capacity of 500 lbs. (227 kg)
- Seat height adjustable from 24.5 in. to 32.5 in. (622 mm to 826 mm) in one-inch increments
- Steel base construction



**Order Number**  
K5467-1

**Literature**  
E13.51

## LED Light Kit

- Kit includes two 3 ft. (0.91 m) long LED light bars, mounting hardware, connecting cables and on/off switch



**Order Number**  
AD1389-20 - 4 - 5 ft.  
(1.2 to 1.5 m) wide booths  
AD1389-21 - 6 ft. (1.8 m)  
and wider booths

**Input**  
1 PHASE 60 Hz

**Literature**  
E13.51

## Booth Curtain Kit

- Overlapping red-orange strip curtains cover entire entrance to booth and help to protect other students and workers from arc flash and sparks. Curtain material compliant with AWS F2.3m-2011
- Kits include welding screen, mounting brackets and hardware



**Order Number**  
K5249-1 Booth Curtain Kit,  
50 in. W x 66 in. H (1270 x  
1676 mm) (For 4 ft. (1.2 m)  
wide Weld Booth)  
K5249-2 Booth Curtain Kit,  
62 in. W x 66 in. H (1575 x  
1676 mm) (For 5 ft. (1.5 m)  
wide Weld Booth)  
K5249-3 Booth Curtain Kit,  
74 in. W x 66 in. H (1880 x  
1676 mm) (For 6 ft. (1.8 m)  
wide Weld Booth)  
K5249-4 Booth Curtain Kit,  
86 in. W x 66 in. H (2184 x  
1676 mm) (For 7 ft. (2.1 m)  
wide Weld Booth)  
K5249-5 Booth Curtain Kit,  
98 in. W x 66 in. H (2489 x  
1676 mm) (For 8 ft. (2.4 m)  
wide Weld Booth)

**Literature**  
E13.51

## Booth Specific Fume Extraction Arms

### Prism® Wall Mount Fume Arms; Telescopic Counter-Weight Fume Extraction Arms

- These arms are designed specifically to be paired with weld booths
- These arms can be ducted into a central system or another fume extraction source



**Order Number**

K1655-14  
5-8 ft. (1.5 - 2.4 m) for use in booths 5 ft. (1.5 m) and wider

K1655-15  
4-6 ft. (1.2 - 1.8 m) for use in 4 ft. (1.2 m) and 5 ft. (1.5 m) wide booths

**Literature**

E13.51

## Prism® Exhaust Booth

### Weld Booth with Top-Mounted Fume Extraction – One-Paks®

- Plug-and-Play Format – Drop-in welding booth with fume extraction designed for small schools and shops
- Duct-Free Design – No ductwork required. Simply provide power to the unit
- Dual Coverage – Captures weld fume in two key locations – near the fume source with the fume extraction arm and through the vent hood
- Optimized Air Control – Easily adjust the airflow rate and balance between the arm and hood extraction points
- Versatile Configurations – Booths can be ordered in standalone, side-by-side and back-to-back formats



**Processes**

- Stick
- TIG
- MIG
- Flux-Cored
- Plasma Cutting
- Oxyfuel Cutting

**Literature**

E13.51

Product Number	Product Description	Interior Dimensions ft (m)	Exterior Overall Dimensions ft (m)	Height ft (m)	Panel Construction	Reinforced Frame
K5664-1	Prism® Exhaust Booth Standalone (Side-by-Side Starter), 230V, 3 Phase - One-Pak®	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)	9.75 (2.97)	16 Gauge sheet metal	11 Gauge angle
K5664-2	Prism® Exhaust Booth Side-by-Side Add-On, 230V, 3 Phase - One-Pak®	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)			
K5664-3	Prism® Exhaust Booth Back-to-Back Standalone (Back-to-Back Starter), 230V, 3 Phase - One-Pak®	5 x 5 (1.5 x 1.5)	5.5 x 11 (1.7 x 3.4)			
K5664-4	Prism® Exhaust Booth Back-to-Back Add-On, 230V, 3 Phase - One-Pak®	5 x 5 (1.5 x 1.5)	5.5 x 11 (1.7 x 3.4)			
K5664-5	Prism® Exhaust Booth Standalone (Side-by-Side Starter), 230V, 1 Phase - One-Pak®	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)			
K5664-6	Prism® Exhaust Booth Side-by-Side Add-On, 230V, 1 Phase - One-Pak®	5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)			
K5664-7	Prism® Exhaust Booth Back-to-Back Standalone (Back-to-Back Starter), 230V, 1 Phase - One-Pak®	5 x 5 (1.5 x 1.5)	5.5 x 11 (1.7 x 3.4)			
K5664-8	Prism® Exhaust Booth Back-to-Back Add-On, 230V, 1 Phase - One-Pak®	5 x 5 (1.5 x 1.5)	5.5 x 11 (1.7 x 3.4)			

## Single Weld Booth w/Prism® Wall Mount One-Pak®

### An Effective and Efficient Space for Teaching

- Powder-coated anti-reflective black finish paint is durable and reduces arc reflection
- Telescopic counter-weight fume extraction arm
- Prism® wall mount single arm w/Merv 14 filter
- Prism® 2400 Fan has self-cleaning concave blades
- Overlapping red-orange strip curtains cover entire entrance to booth to protect other students and workers from arc flash and sparks. Curtain material compliant with AWS F2.3m-2011



Input



Literature

E13.51

Product Number	Product Description	Interior Dimensions ft (m)	Exterior Overall Dimensions ft (m)	Height ft (m)	Panel Construction	Reinforced Frame
K5563-1	Weld Booth With Prism® Wall Mount One-Pak® - Single	5 x 5 (1.5 x 1.5)	5.8 X 5.9 (1.8 X 1.8)	11.2 (3.4)	16 Gauge sheet metal	11 Gauge Angle
K5563-3	Weld Booth With Prism® Wall Mount One-Pak® - Single	6 x 6 (1.8 x 1.8)	6.8 X 6.9 (2.1 X 2.1)			

## Dual Weld Booth w/Prism® Wall Mount One-Pak®

### An Effective and Efficient Space for Teaching

- Booths have enough floor space to comfortably fit both student and instructor
- Constructed of heavy-duty steel, the powder-coated anti-reflective black finish paint is durable and reduces arc reflection
- Adjacent booths share dividing panels to minimize the number of panels and posts required for the layout
- Booth walls have an open space of 18 in. (457 mm) at the bottom of the weld booth for air circulation and safety (exceeds AWS EG2.0:2006 recommendation of 12 in. (305 mm))
- Overlapping red-orange strip curtains cover the entire booth entrance to protect other students and workers from arc flash and sparks. Curtain material compliant with AWS F2.3m-2011



Input



Literature

E13.51

Product Number	Product Description	Interior Dimensions ft (m)	Exterior Overall Dimensions ft (m)	Height ft (m)	Panel Construction	Reinforced Frame
K5563-2	Weld Booth With Prism® Wall Mount One-Pak® -Dual	5 x 5 (1.5 x 1.5)	10.6 x 5.9 (3.2 X 1.8)	11.2 (3.4)	16 Gauge sheet metal	11 Gauge Angle
K5563-4	Weld Booth With Prism® Wall Mount One-Pak® -Dual	6 x 6 (1.8 x 1.8)	11.6 X 6.9 (3.5 X 2.1)			

## Welding Tables

The Welding Table with Post and Fixture is ruggedly built and features a 1/4 in. (6.4 mm) thick steel top with a mechanical tubing frame and legs. The legs have provision for lagging the table to the floor. The table includes a 46 in. (1168 mm) tall adjustable post that can be installed on the right or left side of the table and a 25 in. (635 mm) long welding fixture

- The Standard Floor-Mounted Half-Circle Welding Table features a half-circle tabletop with convenient storage underneath for gloves and small tools
- The Floor-Mounted Rectangular Pipe Welding Table features a height-adjustable rectangular table with a 20 in. (508 mm) bar and pipe clamp fixture and storage area



Shown: Welding Table with Post and Fixture

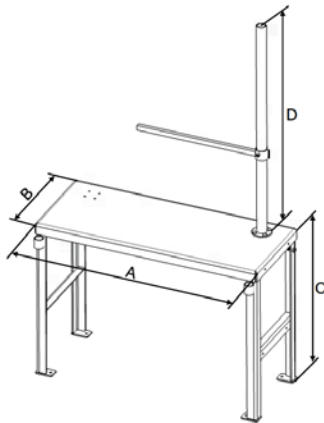


Shown: Floor-Mounted Rectangular Pipe Welding Table



Shown: Standard Floor Mounted Half-Circle Welding Table

Literature  
E13.51



Product Description	Product Number	Dimensions - in (mm)			
		A	B	C	D
Welding Table with Post and Fixture	K5248-1	32 (812.8)	16 (406.4)	36.5 (927)	46 (1168.4)
Welding Table with Post and Fixture (ADA Compliant)	K5248-2	47 (1193.8)	19 (482.6)	33.5 (850.9)	46 (1168.4)
Welding Table with Post and Fixture	K5248-3	47 (1193.8)	19 (482.6)	36.5 (927)	46 (1168.4)
Welding Table with Post and Fixture	K5248-7	58 (1473.2)	19 (482.6)	36.5 (927)	46 (1168.4)



Shown: Floor-Mounted Rectangular Pipe Welding Table

Product Description	Product Number	Dimensions of Table in (mm)	Overall Dimensions in (mm)
Standard Floor-Mounted Half-Circle Welding Table	L15788-174	32 in. (813) diameter	78H* x 14W x 10L (1981 x 355 x 254)
Floor-Mounted Rectangular Pipe Welding Table	L15788-175	13 x 21 x 0.375 (330 x 533 x 9.5)	
Floor Stand with Mounting Platform	L15788-101	8-1/2 x 8-1/2 (216 x 216)	82.5H* x 13.75W x 10L (2095 x 350 x 254)

\*to top of pole



Shown: Standard Floor Mounted Half-Circle Welding Table











# **DRIVE AND CABLE ACCESSORIES**



# Accessories

## Feed Plate Gun Adapters

FEED PLATE GUN ADAPTERS COMPATIBLE WITH 10-SERIES, LF-SERIES, LN-25° PRO, PF25M, ACTIV8X° AND LN-25X° FEEDERS					
K1500-1	K1500-2*	K1500-3	K1500-4	K1500-5	Magnum° PRO Fast-Mate™
for Lincoln Electric gun power pins	for Tweco° #2 - #4 gun power pins	for Tweco° #5 gun power pins	for Miller° Electric gun power pins	for OXO° gun power pins	Compatible Gun Connector Kits
Compatible Gun Connector Kits K466-1 K613-1 K613-6 K466-8	Compatible Gun Connector Kits K466-10 K466-2 K466-6	Compatible Gun Connector Kits K613-7 K613-2	Compatible Gun Connector Kits K466-3 K613-3		(10-series, LF-series, LN-25° PRO) K489-1 (LN-7, 8, 9) K489-2 (LN-25°) K489-8 (POWER MIG° with 250L guns)
					



FEED PLATE GUN ADAPTERS COMPATIBLE WITH FLEX FEED°, POWER FEED°, AND PIPEFAB° SERIES FEEDERS					
K3344-1	K3345-1*	K3346-1	K3347-1	K3348-1	K3349-1
For Lincoln Electric gun power pins	for Tweco° #2 - #4 gun power pins	for Tweco° #5 gun power pin	for Miller° Electric gun power pins	for OXO° gun power pins	Magnum° Fast-Mate™
Compatible Gun Connector Kits K466-1 K613-1 K613-6 K466-8	Compatible Gun Connector Kits K466-10 K466-2 K466-6	Compatible Gun Connector Kits K613-7 K613-2	Compatible Gun Connector Kits K466-3 K613-3		Requires use of K3345-1
					

\*installed as standard in Lincoln wire feeders

Feed Plate Gun Adapters » Tweco° is a registered trademark of Victor Technologies. Miller° and OXO° is a registered trademark of Miller Electric Mfg. Co.

# Accessories

## Weld Power Cables

Product Name	Product Number	Description	Connection	Length ft (m)
<b>Weld Power Cables</b> 	K1840-10	Weld Power Cable, 1/0, 350A, 60% duty cycle	Twist Mate™ to Lug	10 (3.1)
	K1842-10	Weld Power Cable, 3/0, 600A, 60% duty cycle	Lug to Lug	10 (3.1)
	K1842-35			35 (10.7)
	K1842-60			60 (18.3)
	K1842-110			110 (33.5)
	K1841-25	Weld Power Cable, 1/0, 350A, 60% duty cycle	Twist Mate™ to Twist Mate™	25 (7.6)
	K1841-50	Weld Power Cable, 2/0, 350A, 60% duty cycle		50 (15.2)
	K2163-35 <sup>(1)</sup>	Weld Power Cable, 4/0	Lug to Lug	35 (10.7)
	K2163-60 <sup>(1)</sup>			60 (18.3)
		K1796-25	Coaxial Weld Power Cable, 1/0, 350A, 60% duty cycle	Lug to Lug
K1796-50			50 (15.2)	
K1796-75		Coaxial Weld Power Cable, 1/0, 325A, 60% duty cycle	75 (22.8)	
K1796-100		Coaxial Weld Power Cable, 1/0, 300A, 60% duty cycle	100 (30.4)	
K2593-100		Coaxial Weld Power Cable, #1, 250A, 100% duty cycle	Lug to Lug	100 (30.4)
K2484-3		Weld Power Cable, 3/0, 600A, 60% duty cycle	Tweco® Male to Lug	50 (3.1)
K2485-3		Weld Power Cable, 3/0, 600A, 60% duty cycle	Tweco® to Tweco®	50 (15.2)

## Weld Cable Connectors

Product Name	Product Number	Description
<b>Plug</b> 	K852-25	Twist Mate™ Plug for #6 - #4 Cable
	K852-50	Twist Mate™ Plug for #2 - #1 Cable
	K852-70	Twist Mate™ Plug for 1/0 & 2/0 Cable
	K852-95	Twist Mate™ Plug for 2/0 & 3/0 Cable
	K3416-70	Tweco® Plug for 1/0 & 2/0 Cable
	K3416-90	Tweco® Plug for 3/0 & 4/0 Cable
<b>Receptacle</b> 	K1759-70	Twist Mate™ Receptacle for 1/0 & 2/0 Cable
	K1759-95	Twist Mate™ Receptacle for 2/0 & 3/0 Cable
	K3417-70	Tweco® Receptacle for 1/0 & 2/0 Cable
	K3417-90	Tweco® Receptacle for 3/0 & 4/0 Cable
<b>Electrode Holder</b> 	K909-6	T300 Electrode Holder (for DC Welder Only)
	K909-7	EH-305HD Electrode Holder, 300A, 60% Duty Cycle
	K909-8	EH-405HD Electrode Holder, 400A, 60% Duty Cycle
<b>Ground Clamp</b> 	K910-1	GC-300 Work Clamp, 300A, 60% Duty Cycle
	K910-2	GC-500 Work Clamp, 500A, 60% Duty Cycle
<b>Other</b> 	K2487-1	Insulated CT40FS, Tweco® to Lug






Weld Power Cables » <sup>(1)</sup>Two cables per package.

# Accessories



## Control Cables and Adapters

Product Name	Product Number	Description	Connection	Use	Length ft (m)
<b>Wire Feeder Control Cables</b> 	K1501-10	Wire Feeder Control Cable	Male 14-pin to Female 9-pin	LN-10, DH-10	10 (3.1)
	K1818-10		Male 14-pin to Female 6-pin	LN-7	10 (3.1)
	K1819-10		Male 14-pin to Female 8-pin	LN-742, LN-15	10 (3.1)
	K1820-10		Male 14-pin to Female 9-pin	LN-8, LN-9, NA-3, NA-4, NA-5	10 (3.1)
	K1822-25		—	LT-7	25 (7.6)
	K2393-1		Male 14-pin to Female 8-pin	LN-23P (K316L-2)	25 (7.6)
<b>Extensions and Adapters</b> 	K1797-10	Wire Feeder Control Cable Extension	Male 14-pin to Female 14-pin	May require K1501-10, K1818-10, K1819-10 or K1820-10, depending on the feeder.  LN-15, Flex Feed®, LF-72™, LF-74, LN-25® PRO Dual Power	10 (3.1)
	K1797-25				25 (7.6)
	K1797-50				50 (15.2)
	K1797-100				100 (30.4)
	K1798	Adapter Cable Female 14-pin Control Cable to Terminal Strip of Power Source	Terminal Strip to Female 14-pin	—	—
<b>ArcLink®/Linc-Net™ Control Cables</b> 	K1543-8	ArcLink®/Linc-Net™ Control Cable	Male 5-pin to Female 5-pin	For Power Wave®/ Power Feed® Systems, Power Feed® 25M, Power Feed® 84	8 (2.4)
	K4483-8	Extended-Flex ArcLink® Control Cable			8 (2.4)
	K4483-16				16 (4.9)
	K4483-25				25 (7.6)
	K4483-50				50 (15.2)
	K4483-100				100 (30.4)
	K2683-25	Heavy Duty ArcLink®/Linc-Net™ Control Cable			25 (7.6)
	K2683-50				50 (15.2)
	K2683-100				100 (30.4)
<b>Submerged Arc/Automation</b> 	K1785-2	Heavy Duty Control Cable	Male 14-pin to Female 14-pin	For synchronizing Power Wave® AC/DC 1000® SD units and connecting MAXsa™ Feed Heads and MAXsa™ Controllers.  For use between Power Wave® and the base of robot Dress-Out Kits, or robots with an integrated control cable.  For connecting Control Unit to Wire Drive in LN-10, DH-10 Boom applications.	1.5 (0.46)
	K1785-4				4 (1.2)
	K1785-8				8 (2.4)
	K1785-12				12 (3.6)
	K1785-16				16 (4.9)
	K1785-25				25 (7.6)
	K1785-50				50 (15.2)
	K1785-100				100 (30.4)
	K2709-25	Wire Drive Control Cable	Male 14-pin to Female 14-pin	For external dress of FANUC® robotic arm or hard automation.	25 (7.6)
	K2709-50				50 (15.2)
	K2709-100				100 (30.4)

## Accessories » Drive Roll and Wire Guide Kits

Product Name	Product Number	Description/ Wire Size, in (mm)	Wire Feeders
<b>2-ROLL WIRE DRIVE SYSTEMS</b>			
<b>Solid Wire</b> (includes stainless steel) 	KP1696-030S	0.023-0.030 (0.6-0.8)	Activ8X®
	KP1696-035S	0.035 (0.9)	Activ8X® Pipe
	KP1696-1	0.035, 0.045 (0.9, 1.2)	LF-72
	KP1696-2	0.040 (1.0)	LN-25 PRO®
	KP1696-045S	0.045 (1.2)	LN-25 PRO®
	KP1696-052S	0.052 (1.4)	Dual Power
	KP1696-1/16S	1/16 (1.6)	LN-25X®
<b>Cored Wire</b> 	KP1697-035C	0.030-0.035 (0.8-0.9)	Power Feed® 25M
	KP1697-045C	0.040-0.045 (1.0-1.2)	POWER MIG® 216
	KP1697-052C	0.052 (1.4)	POWER MIG® 256
	KP1697-1/16C	1/16 (1.6)	POWER MIG®
	KP1697-068	0.068-0.072 (1.7-1.8)	360MP
	KP1697-5/64	5/64 (2.0)	Power Wave® 300C
	KP1697-3/32 <sup>(1)</sup>	3/32 (2.4)	
<b>Aluminum Wire</b> 	KP1695-035A	0.035 (0.9)	
	KP1695-040A	0.040 (1.0)	
	KP1695-3/64A	3/64 (1.2)	
	KP1695-1/16A	1/16 (1.6)	
<b>Solid Wire</b> 	KP2529-1	0.025/0.030 (0.6/0.8)	POWER MIG® 140C
	KP2529-2	0.035 (0.9)	POWER MIG® 180C
<b>Cored Wire</b> 	KP2529-3	0.030/0.045 (0.8/ 1.2)	POWER MIG® 180 Dual  POWER MIG® 210 MP




Product Name	Product Number	Description/ Wire Size, in (mm)	Wire Feeders
<b>4-ROLL WIRE DRIVE SYSTEMS</b>			
<b>Solid Wire</b>	KP4335-035S	0.035 (0.9)	AutoDrive® S and AutoDrive® SA Push Feeder
	KP4335-040S	0.040 (1.0)	
	KP4335-045S	0.045 (1.2)	
<b>Aluminum Wire</b>	KP4335-035A	0.035 (0.9)	AutoDrive® SA Pull Feeder
	KP4335-364A	3/64 (1.2)	
	KP4335-116A	1/16 (1.6)	
<b>Aluminum Wire</b>	KP4414-035A	0.035 (0.9)	AutoDrive® SA Pull Feeder
	KP4414-364A	3/64 (1.2)	
	KP4414-116A	1/16 (1.6)	
<b>Solid Wire</b>	KP4413-035S	0.035 (0.9)	Drive Roll Kit
	KP4413-040S	0.040 (1.0)	
	KP4413-045S	0.045 (1.2)	

Product Name	Product Number	Description/ Wire Size, in (mm)	Wire Feeders
<b>4-ROLL WIRE DRIVE SYSTEMS</b>			
<b>Solid Wire, Smooth V Groove</b> 	KP1505-030S	0.023-0.030 (0.6-0.8)	AutoDrive® 4R100
	KP1505-035S	0.035 (0.9)	AutoDrive® 4R200
	KP1505-040S	0.040 (1.0)	DH-10
	KP1505-045S	0.045 (1.2)	Flex Feed® 74 HT
	KP1505-052S	0.052 (1.4)	Flex Feed® 84 Single
	KP1505-1/16S	1/16 (1.6)	Flex Feed® 84 Dual
	KP1505-1	0.035, 0.045 (0.9, 1.2)	
<b>Cored Steel Wire, Knurled V Groove (Knurled V Groove with matching Smooth U Groove)</b> 	KP1505-035C	0.030-0.035 (0.8-0.9)	LF-74
	KP1505-045C	0.040-0.045 (1.0-1.2)	LN-10
	KP1505-052C <sup>(3)</sup>	0.052 (1.4)	Power Feed® 10M
	KP1505-1/16C <sup>(3)</sup>	1/16 (1.6)	Power Feed® 10M Dual
	KP1505-7/64H <sup>(2)(3)</sup>	7/64 (2.8) Hardfacing	Power Feed® 10R
<b>Cored or Solid Steel Wire, Knurled V Groove</b> 	KP1505-035C	0.030-0.035 (0.8-0.9)	Power Feed® 84 Single
	KP1505-045C	0.040-0.045 (1.0-1.2)	Power Feed® 84 Dual
	KP1505-052C <sup>(3)</sup>	0.052 (1.4)	PipeFab® Feeder
	KP1505-1/16C <sup>(3)</sup>	1/16 (1.6)	
	KP1505-068 <sup>(3)</sup>	0.068-0.072 (1.7-1.8)	
	KP1505-5/64 <sup>(3)</sup>	5/64 (2.0)	
	KP1505-3/32 <sup>(3)</sup>	3/32 (2.4)	
	KP1505-7/64 <sup>(2)(3)</sup>	7/64 (2.8)	
	KP1505-120 <sup>(2)(3)</sup>	0.120 (3.2)	
	<b>Hardfacing Wires, Knurled, Smooth V Groove</b> 	KP1505-7/64H <sup>(2)(3)</sup>	7/64 (2.8) Hardfacing
<b>Aluminum Wire, Smooth U Groove</b> 	KP1507-035A	0.035 (0.9)	
	KP1507-040A	0.040 (1.0)	
	KP1507-3/64A	3/64 (1.2)	
	KP1507-1/16A <sup>(3)</sup>	1/16 (1.6)	
<b>Solid Wire, Extended Life</b>	KP1507-3/32A <sup>(2)</sup>	3/32 (2.4)	
	KP1505-035R	0.035 (0.9)	
	KP1505-040R	0.040 (1.0)	
	KP1505-045R	0.045 (1.2)	
	KP1505-052R	0.052 (1.4)	

<sup>(1)</sup>Not for use with the LF-72. <sup>(2)</sup>Not for use with the LF-74. <sup>(3)</sup>Not for use with the AutoDrive® 4R100.

## Accessories » Drive Roll and Guide Tube Kits





Product Name	Product Number	Description/ Wire Size, in [mm]	Wire Feeders
<b>2-ROLL WIRE DRIVE SYSTEMS</b>			
<b>Solid Wire</b> 	KP653-025S	0.023-0.025 [0.6-0.6]	LN-7 GMA
	KP653-030S	0.030 [0.8]	LN-23P
	KP653-035S	0.035-0.040 [0.9-1.0]	LN-25*
	KP653-052S	0.045-0.052 [1.2-1.4]	
<b>Cored Wire</b> 	KP653-035C	0.035 [0.9]	LN-25*
	KP653-052C	0.045-0.052 [1.2-1.4]	
<b>Solid or Cored Wire</b> 	KP653-1/16	1/16 [1.6]	LN-25*
	KP653-3/32 <sup>(2)</sup>	0.068-3/32 [1.7-2.4]	
<b>Hardfacing</b>	KP653-7/64H <sup>(1)</sup>	7/64 [2.8]	LN-25*
<b>Aluminum Wire</b> 	KP654-035A	0.035 [0.9]	LN-25*
	KP654-3/64A	3/64 [1.2]	
	KP654-1/16A	1/16 [1.6]	
<b>Solid Wire</b> 	KP502-052	0.040, 0.045-0.052 [1.0, 1.2-1.4]	LN-8
	KP502-1/16	1/16 [1.6]	LN-9
<b>Cored Wire</b> 	KP502-052C	0.045-0.052 [1.0-1.4]	LN-9
	KP502-1/16C	1/16-0.062 [1.6-1.6]	
	KP502-120	7/64-0.120 [2.8-3.0]	
<b>Solid or Cored Wire</b> 	KP502-3/32	0.068-3/32 [1.7-2.4]	LN-9
<b>Hardfacing</b>	KP502-7/64H	7/64 [2.8]	LN-9

Product Name	Product Number	Description/ Wire Size, in [mm]	Wire Feeders
<b>2-ROLL WIRE DRIVE SYSTEMS</b>			
<b>Solid Wire Drive Roll</b> 	KP1899-1	3/32-7/32 [2.4-5.6]	NA-3S
	KP1899-2	1/16, 5/64, 3/32 [1.6, 2.0, 2.4]	NA-4
	KP1899-3	0.035, 0.045, 0.052 [0.9, 1.2, 1.4]	NA-5
<b>Cored Wire Drive Roll</b> 	KP1899-4	0.045-0.052 [1.0-1.4]	MAXsa®
	KP1885-1	3/32-7/32 [2.4-5.6]	MAXsa®
KP1886-1	1/16-3/32 [1.6-2.4]		
<b>Outgoing Guide</b>	KP1963-1	3/32-7/32 [2.4-5.6]	MAXsa®
<b>Incoming Guide</b>	KP2116-2	3/32-7/32 [2.4-5.6]	MAXsa®
<b>Knurled drive Roll for LT-7</b> 	KP2268-1	0.052-1/16 [1.2-1.6]	MAXsa®
	KP2268-2	0.068-3/32 [1.7-2.4]	
	KP2268-3	3/32-3/16 [2.4-4.7]	
<b>Outgoing Guide for LT-7</b>	KP1985-1	3/32-3/16 [2.4-4.7]	MAXsa®
<b>Incoming Guide for LT-7</b>	KP1984-1	0.068-3/16 [1.7-4.7]	MAXsa®

<sup>(1)</sup>Not for use with the LN-25 PRO® and LN-25 PRO® Dual Power. <sup>(2)</sup>For LN-7 only.



## Welding Safety Checklist

Hazard	Factors To Consider	Precaution Summary
<b>Electric Shock Can Kill</b> 	<ul style="list-style-type: none"> <li>Wetness</li> <li>Welder in or on workpiece</li> <li>Electrode holder and cable insulation</li> </ul>	<ul style="list-style-type: none"> <li>Insulate welder from workpiece and ground using dry insulation, rubber mat or dry wood.</li> <li>Wear dry, hole-free gloves. (Change as necessary to keep dry.)</li> <li>Do not touch electrically "hot" parts or electrode with bare skin or wet clothing</li> <li>If wet area and welder cannot be insulated from workpiece with dry insulation, use a semiautomatic, constant-voltage welder or stick welder with voltage reducing device.</li> <li>Keep electrode holder and cable insulation in good condition. Do not use if insulation is damaged or missing.</li> </ul>
<b>Fumes and Gases Can Be Dangerous</b> 	<ul style="list-style-type: none"> <li>Confined area</li> <li>Positioning of welder's head</li> <li>Lack of General ventilation</li> <li>Electrode types (i.e.: manganese, chromium, etc. – see SDS)</li> </ul>	<ul style="list-style-type: none"> <li>Use ventilation or exhaust to keep air breathing zone clear, comfortable.</li> <li>Use helmet and positioning of head to keep fumes clear of the breathing zone.</li> <li>Read warnings on electrode container and Safety Data Sheet (SDS) for electrode</li> <li>Provide adequate ventilation to ensure airborne exposures remain below applicable limits.</li> <li>Use special care when welding in a confined area.</li> <li>Do not weld unless ventilation is adequate.</li> <li>Use a respirator unless exposure assessments indicate otherwise.</li> </ul>
<b>Welding Sparks Can Cause Fire or Explosion</b> 	<ul style="list-style-type: none"> <li>Containers which have held combustibles</li> <li>Flammable materials</li> </ul>	<ul style="list-style-type: none"> <li>Do not weld on containers which have held combustible materials (unless strict AWS F4.1 procedures are followed). Check before welding.</li> <li>Remove flammable materials from welding area or shield from sparks, heat.</li> <li>Keep a fire watch in area during and after welding.</li> <li>Wear fire retardant clothing and hat. Use earplugs when welding overhead.</li> </ul>
<b>Arc Rays Can Burn Eyes and Skin</b> 	<ul style="list-style-type: none"> <li>Process: Gas-shielded arc most severe</li> </ul>	<ul style="list-style-type: none"> <li>Select a filter lens which is adequate for your welding process under ANSI Z49.1, Section 4.</li> <li>Always use helmet when welding.</li> <li>Provide non-flammable shielding to protect others.</li> <li>Wear clothing which protects skin while welding.</li> </ul>

### Arc Welding Fumes and Gases

The **fume plume** contains solid particles from the consumables, base metal, and base metal coating. For common mild steel arc welding, depending on the amount and length of exposure to these fumes, most immediate or short term effects are temporary, and include symptoms of burning eyes and skin, dizziness, nausea, and fever. Long-term exposure to welding fumes can lead to siderosis (iron deposits in the lungs) and may affect pulmonary function. Bronchitis and some lung fibrosis have been reported.

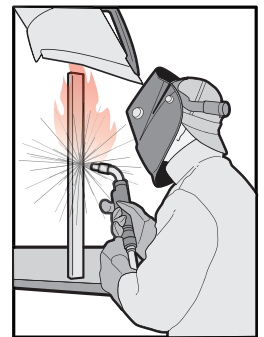
Some compounds which may be in welding fume, and reported health effects of overexposure are below. See the SDS for the consumable product used for specific information.

- Barium** may cause severe stomach pain, slow pulse rate; irregular heartbeat, ringing of the ears, convulsion and muscle spasms. In extreme cases can cause death.
- Cadmium** fumes can be fatal even under brief overexposures, with symptoms much like metal fume fever.
- Chromium** and its compounds are on the IARC (International Agency for Research on Cancer) and NTP (National Toxicology Program) lists as posing a cancer risk to humans. Some forms of these metals are known or suspected to cause lung cancer in processes other than welding and asthma has been reported.
- Manganese:** Manganese overexposure may affect the central nervous system, resulting in poor coordination, difficulty in speaking, and tremor of arms or legs. This condition is considered irreversible.
- Nickel:** Nickel and its compounds are on the IARC (International Agency for Research on Cancer) and NTP (National Toxicology Program) lists as posing a cancer risk to humans.
- Silica:** Overexposure can cause severe lung damage (silicosis). Crystalline silica is present in submerged arc flux.
- Zinc:** Overexposure to zinc may cause metal fume fever with symptoms similar to the common flu.

Your work area has adequate ventilation when there is enough ventilation and/or exhaust to control worker exposure to hazardous materials in the welding fumes and gases so the applicable limits for those materials is not exceeded. See the SDS for the legal limits, the OSHA PEL (Permissible Exposure Limit), and the recommended guideline, the ACGIH TLV (Threshold Limit Value). Confirm the worker's exposure does not exceed the applicable exposure limit for compounds in the fumes and gases by having an industrial hygienist take and analyze a sample of the breathing air. A respirator may be required if exposure cannot be controlled to the PEL or TLV.

Read the product label and Material Safety Data sheet for the electrode posted in the work place or in the electrode or flux container to see what fumes can be reasonably expected from use of the product and to determine if special ventilation is needed. Know what the base metal is and determine if there is any paint, plating, or coating that could expose you to toxic fumes and/or gases. Remove it from the metal being welded, if possible.

If you start to feel uncomfortable, dizzy or nauseous, you may be overexposed to fumes and gases, or suffering from oxygen deficiency. Stop welding and get some fresh air immediately. Notify your supervisor and co-workers so the situation can be corrected and other workers can avoid the hazard. Be sure you are following these safe practices, the consumable labeling and SDS and improve the ventilation in your area. Do not continue welding until the situation has been corrected.



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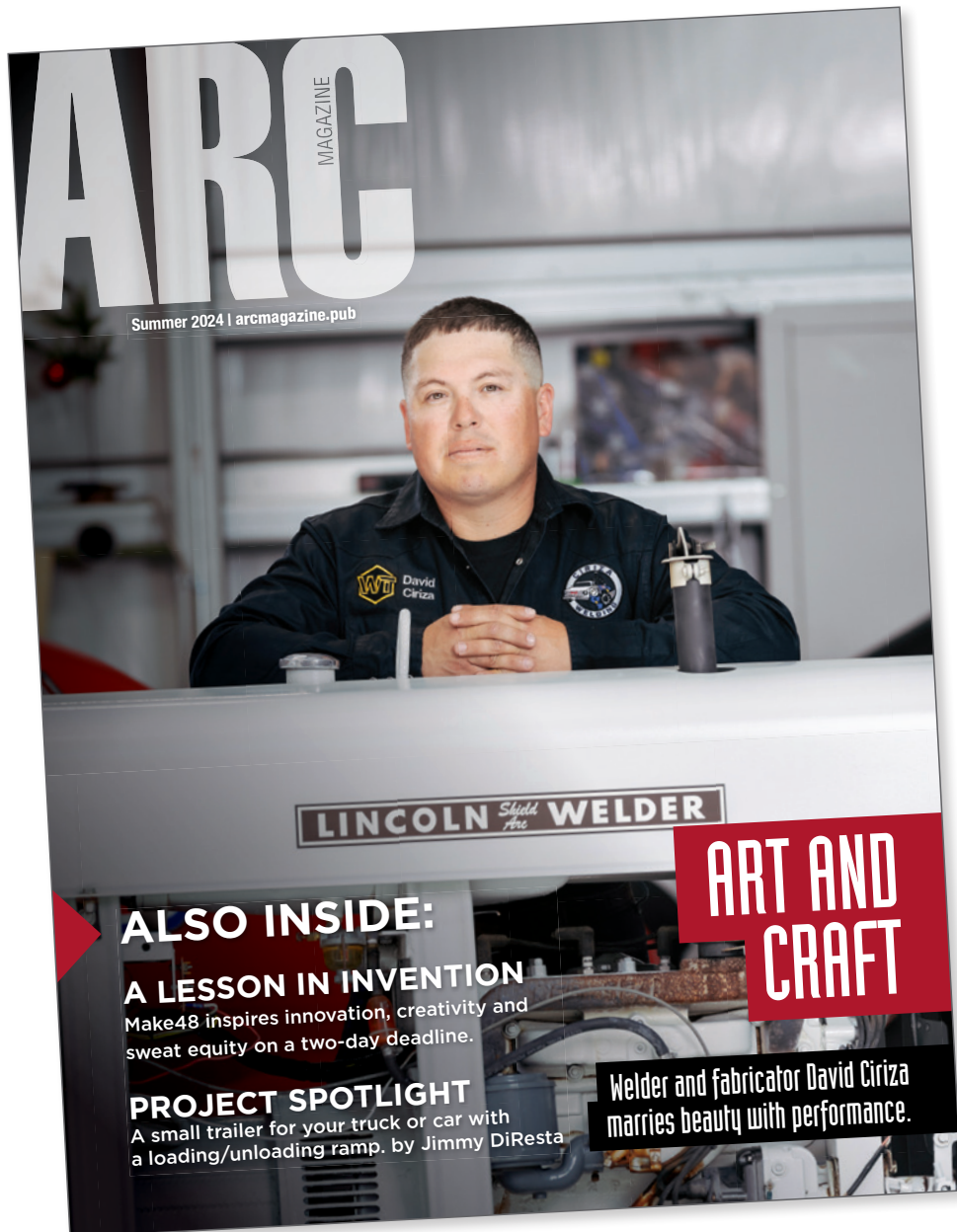
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