Welding Booths, Fume Extraction, Curtains and Tables

Create an Effective and Efficient Space for Teaching

Shown: Weld Booth Dual (5ft X 5ft) with Fume Extraction One-Pak®, K5563-2.

KEY FEATURES

Lincoln Electric welding booths have been optimized to take full advantage of the entire space, from the table to the power source, to the fume extraction and the booth structure itself – everything is designed to give students a comfortable workspace with room for instructor viewing. Booths can be sold standalone, or as one-pak® packages, which include fume extraction. If you prefer to customize your space, you can choose from a variety of curtains, tables and other accessories, as well as a variety of weld fume extraction configurations.

- **Robust design, heavy-duty steel construction**
- **Larger sized booths have enough floor space to comfortably fit both student and instructor**
- **Powder-coated anti-reflective black finish paint is durable and reduces arc reflection.**
- **Adjacent booths (side-to-side or back-to-back) share dividing panels to minimize the number of panels and posts required for the layout.**
- **Booth shape can be a square or rectangle.**
- **Booth walls have an open space of 18 in. at the bottom of the weld booth for air circulation and safety. (Exceeds AWS EG2.0:2006 Recommendation of 12 in)**

Applications »

Welding Training and Education Facilities

Fabrication/Production Environments

Repair and Maintenance Stations

LINCOLN ELECTRIC 3 YEAR WARRANTY AÑOS DE GARANTIA ANS DE GARANTIE

Made in the USA of U.S. and foreign content

Publication E13.51 | Issue Date 06/24
© Lincoln Global Inc. All Rights Reserved
www.lincolnelectric.com

LINCOLN® ELECTRIC

WELD BOOTH FUME EXTRACTION ONE-PAK PACKAGES

WELD BOOTH -SINGLE WITH FUME EXTRACTION - ONE-PAK

Includes:
- Weld booth Single,
- Telescopic Counter-Weight Fume Extraction Arm
- Prism wall mount single arm w/Merv 14 filter
- 1 hp fan and manual start/stop fan control
- Weld curtain

Order
K5563-1 for Weld booth single (5ft X 5ft) with fume extraction
K5563-3 for Weld booth single (6ft X 6ft) with fume extraction

WELD BOOTH -DUAL WITH FUME EXTRACTION - ONE-PAK

Includes:
- Weld booth Dual
- Telescopic Counter-Weight Fume Extraction Arm
- Prism wall mount single arm w/Merv 14 filter
- 1 hp fan and manual start/stop fan control
- Weld curtain

Order
K5563-2 for Weld booth dual (5ft X 5ft) with fume extraction
K5563-4 for Weld booth dual (6ft X 6ft) with fume extraction

Note:
Weld table and Light kits are not included. Refer to the next page for Weld table & light kit details.

STANDALONE WELDING BOOTHS

Single or multiple booth configurations and installations are possible. Booths come in 4 ft., 5 ft., or 6 ft. widths. Adjacent booths (side to side or back to back), share dividing panels to minimize the number of panels and posts required for setup.

Order
K5543-1 Weld Booth 5 ft Single
K5543-2 Weld Booth 5 ft Dual
K5543-3 Weld Booth 6 ft Single
K5543-4 Weld Booth 6 ft Dual

Single Booth

Dual Booth

Back-to-Back

CURTAIN KITS

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.

Order
K5249-1 Booth Curtain Kit, 50 in W x 66 in H (For 4 ft wide Weld Booth)
K5249-2 Booth Curtain Kit, 62 in W X 66 in H (For 5 ft wide Weld Booth)
K5249-3 Booth Curtain Kit, 74 in W X 66 in H (For 6 ft wide Weld Booth)
K5249-4 Booth Curtain Kit, 86 in W X 66 in H (For 7 ft wide Weld Booth)
K5249-5 Booth Curtain Kit, 98 in W X 66 in H (For 8 ft wide Weld Booth)

FUME EXTRACTION OPTIONS

Fume Extraction Arm Options
Prism® Wall Mount Fume Arm, Telescopic Counter-Weight Fume Extraction Arm

Order
K1655-14 5-8 ft For use in booths 5 ft and wider
K1655-15 4-6 ft For use in 4 ft and 5 ft wide booths.

Wall-Mount Fume Extraction System Options
Prism® Wall Mount with Mechanized Cleaning One-Pak® Packages
Includes: Wall-mount base unit with MERV 16 filter, mechanized filter cleaning, telescopic 5-8 ft. counter-weight fume extraction arm, 1 hp fan and manual start/stop or automatic fan control.

Order
K4468-13 for single arm, manual fan control
K4468-15 for single arm, automatic fan control using an arc sensor
K4468-14 for dual arm, manual fan control
K4468-16 for dual arm, automatic fan control using arc sensors

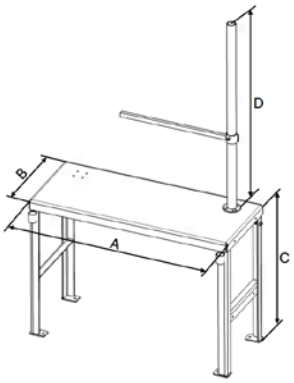
Prism® Wall-Mount One-Pak® Packages
Includes: Wall-mount base unit with disposable MERV 14 filter, telescopic 5-8 ft. counter-weight extraction arm, 1 hp fan and manual start/stop fan control.

Order
K4261-5 for single arm
K4261-11 for dual arm
(Also available: Arc sensor for automatic start/stop fan control and single arm base unit with MERV 16 filter)

WELDING TABLES AND ACCESSORIES

Welding table with post and fixture
These welding tables are ruggedly built, featuring a 1/4 inch thick steel top and mechanical tubing frame and legs. Each leg has provision for lagging the table to the floor.

Available with a 32 in (812.8mm), 47 in (1193.8mm), or 58 in (1473.2mm) wide table surface. Tables include a 46 in (1168.4mm) tall adjustable post and a 25 in (635mm) long welding fixture. Post can be installed on either the right hand or left hand side of table. Includes electrode/welding gun holder.



Product Number	Dimensions - in (mm)			
	A	B	C	D
K5248-1	32 (812.8)	16 (406.4)	36.5 (927.1)	46 (1168.4)
K5248-2 (ADA Compliant)	47 (1193.8)	19 (482.6)	33.5 (850.9)	46 (1168.4)
K5248-3	47 (1193.8)	19 (482.6)	36.5 (927.1)	46 (1168.4)
K5248-7	58 (1473.2)	19 (482.6)	36.5 (927.1)	46 (1168.4)

Floor Stand
82 in (2083 mm) with 8-1/2 x 8-1/2 in (216 mm) adjustable height platform.
Order
L15788-101

Standard Weld Table
Height adjustable half-circle table (32 in (812.8mm) diameter). Convenient storage underneath table for gloves and small tools. Height adjustable 25 in (635mm) long welding fixture.
Order
L15788-174

Pipe Welding Table
Height adjustable rectangular table (13 in x 21 in). Height adjustable 20 inch long bar and pipe clamp fixture. Convenient storage underneath table for gloves and small tools.
Order
L15788-175

Lockable Storage Cabinet
Ideal for storing welding helmets, jackets, gloves and small tools. Recessed stainless steel paddle latch and padlock loop. All steel construction.
Order
L15788-6

LED Light Kit
Kit includes two 3 ft. long LED light bars, mounting hardware, connecting cables and on/off switch. Input power 120V/1-ph.
Order
AD1389-20 for 4 ft. and 5 ft. wide booths
AD1389-21 for booths 6 ft. and wider

Adjustable Stool
Heavy-duty stool with durable construction ideal for the welding booth
Order
K5467-1

BOOTH ASSIST

MONITOR STUDENT ACTIVITY AT A GLANCE WITH BOOTH ASSIST

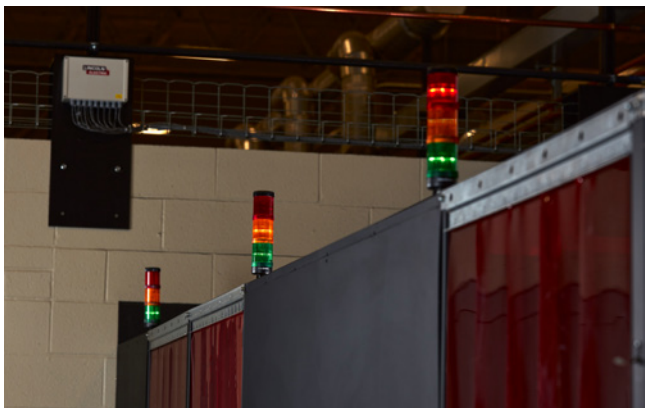
Booth Assist is an alert system that can be installed in the welding booth(s) to monitor student activity. A control panel paired with an easy-to-see tricolored light stack indicates if the booth is occupied (green), actively welding (amber) or if help is needed (red). Instructors can easily and more efficiently monitor an entire class at a glance and attend to needs more efficiently.

Key Features:
- Easy install
- Low voltage operation
- Compatible with any welding process
- Compatible with any welding equipment

Visual Light Tower Outside the Booth:
- Green Indicator = Booth is Occupied
- Amber Indicator = Student is Welding
- Red Indicator = Student Needs Support

Order:
K5319-1 Booth Assist

Includes:
- Control Panel (5.5x5.5x2)
- Light Stack
- Weld Sensing PCB
- Mounting Bracket and Hardware



How to Get Started

Are you looking to design your welding lab or training facility? Lincoln Electric can help you get started. We have engineering staff that can help design your welding lab to accommodate your welding and training needs to maximize your overall floor space.

Before requesting a quote, you will need to provide some general information.

1 **Booth Quantity**
Identify the number of weld booths needed in your facility.

2 **Booth Dimensions (DxW)**
Calculate the overall length and outside dimension of your weld booth configuration.

3 **Booth Configuration**
Determine the booth configuration (side-by-side; back-to-back)

4 **Booth Accessories**
Select the accessories required for each booth layout:
- Welding Curtains
- Welding Table or Stand
- LED Light Kit
- Lockable Storage Cabinet
- Booth Monitoring System

5 **Type of Weld Fume Control System**
Provide the type of current or new weld fume control equipment for each booth:
- Portable Extraction Units
- Weld Fume Extraction Tables
- Stationary Weld Fume Extraction Units
- Central Fume Extraction Systems

Calculate Your Space

Overall width of row = (a + 2) x n + 4

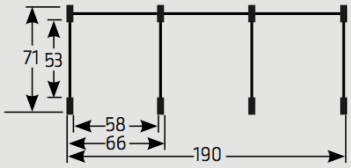
n = number of booths in the row

a = width (inside dimension) of booth (48", 60" or 72")

"2" = thickness of one side panel

"4" = thickness of the last panel in the row (2") plus an additional 1" on each end for the foot pad

Example:
Row of 3-5x5 ft. booths



(60 +2) x 3 + 4 = 190 inches

To finalize the booth design, reach out to your Lincoln Electric Environmental Specialist or email weldingfumecontrol@lincolnelectric.com.

Any Questions Contact Us
Contact one of our Highly Trained Environmental Specialists at 1-888-935-3878 Option 4.

STAND ALONE BOOTHS - PRODUCT SPECIFICATIONS

Product Number	Product Description	Interior Dimensions ft (m)	Exterior Overall Dimensions ft (m)	Height ft (m)	Panel Construction	Reinforced Frame
Contact for Quote	Weld Booth Single	4 x 4 (1.2 x 1.2)	4.5 x 5 (1.4 x 1.5)	7.5 (2.23)	16 Gauge sheet metal	11 Gauge angle
K5543-1		5 x 5 (1.5 x 1.5)	5.5 x 6 (1.7 x 1.8)			
K5543-3		6 x 6 (1.8 x 1.8)	6.5 x 7 (1.9 x 2.0)			
Contact for Quote		7 x 7 (2.1 x 2.1)	7.5 x 8 (2.3 x 2.4)			
Contact for Quote		8 x 8 (2.4 x 2.4)	8.5 x 9 (2.6 x 2.7)			
K5543-2	Weld Booth Dual	5 x 5 (1.5 x 1.5) per booth	10.6 x 5.9 (3.2 X 1.8)			
K5543-4		6 x 6 (1.8 x 1.8) per booth	11.6 X 6.9 (3.5 X 2.1)			

ONE-PAKS - PRODUCT SPECIFICATIONS

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 Fume Extraction 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
K5563-2	Weld Booth With Fume Extraction One-Pak -Dual	5 x 5 (1.5 x 1.5)	10.6 x 5.9 (3.2 X 1.8)			
K5563-3	Weld Booth With Fume Extraction One-Pak - Single	6 x 6 (1.8 x 1.8)	6.8 X 6.9 (2.1 X 2.1)			
K5563-4	Weld Booth With Fume Extraction One-Pak -Dual	6 x 6 (1.8 x 1.8)	11.6 X 6.9 (3.5 X 2.1)			

For multi-booth or larger size configurations with more than two booths, contact a Lincoln Electric Environmental Specialist for a quote.

Lincoln Electric Product Claim - Weld fume control products manufactured by The Lincoln Electric Company are designed to be utilized as an engineering safety control to aide in achieving adequate ventilation while conducting welding or it's allied processes. The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, and the specific welding procedure and application involved. When the equipment is used as designed - and when properly installed, operated and maintained - it can be a valuable and effective tool to help employers maintain adequate ventilation in the workplace. Lincoln Electric defines adequate ventilation as that which is required to maintain occupational exposure levels below the applicable exposure limits when sound work practices are utilized. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

Lincoln Electric weld fume control products are highly effective at decreasing the occurrence level of thermal events, however, thermal events can still happen even if the system is operating as designed.

CUSTOMER ASSISTANCE POLICY

The business of Lincoln Electric is manufacturing and selling high quality welding equipment, automated welding systems, consumables, and cutting equipment. 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. 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.

The operation of welding fume control equipment is affected by various factors including proper use and positioning of the equipment, maintenance of the equipment and the specific welding procedure and application involved. Worker exposure level should be checked upon installation and periodically thereafter to be certain it is within applicable OSHA PEL and ACGIH TLV limits.

The Lincoln Electric Company
22801 St. Clair Avenue · Cleveland, OH · 44117-1199 · U.S.A.
www.lincolnelectric.com