

# WELDING BOOTHS, FUME EXTRACTION, CURTAINS AND TABLES

Create an Effective and Efficient Space for Teaching



Shown: Prism® Exhaust Booth Standalone  
[Side-by-Side Starter],  
K5664-1

## 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.
- Booths are available in a variety of sizes (4 x 4, 5 x 5, 6 x 6 ft., etc.) and can be square or rectangular.
- 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



## PRISM EXHAUST BOOTH WELD BOOTH WITH TOP-MOUNTED FUME EXTRACTION – ONE-PAK

- **Plug-and-Play Format** – Drop-in welding booth with fume extraction designed for small to medium schools and shops, with less than 10 booths.
- **Duct-Free Design** – No ductwork required. Simply provide power to the unit.
- **Double 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.

### Includes:

- Weld Booth Walls
- Telescopic Counter-Weight Fume Extraction Arm
- Top-Mounted Prism Fume Extraction
- Two MERV 16 Disposable Filters (Replace when Saturated)
- Weld Curtain
- Booth Lighting
- Extraction Unit Control Panel

### Ordering multiple booths is easy!

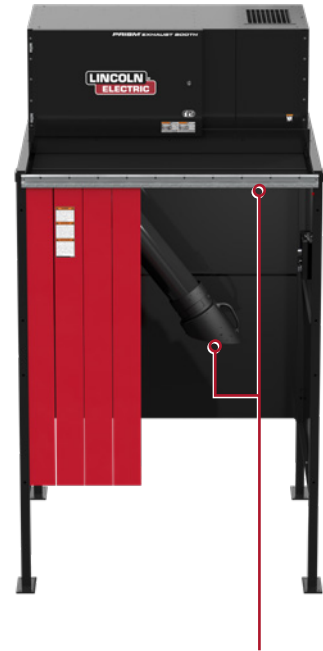
1. Choose your configuration - Side-by-Side or Back-to-Back
2. Order 1x starter kit PLUS as many add-ons as needed to accommodate your space

### Starter Booths:

K5664-1 for Prism Exhaust Booth Standalone (Side-by-Side Starter), 230V, 3 Phase - One-Pak  
 K5664-3 for Prism Exhaust Booth Back-to-Back Standalone (Back-to-Back Starter), 230V, 3 Phase - One-Pak  
 K5664-5 for Prism Exhaust Booth Standalone (Side-by-Side Starter), 230V, 1 Phase - One-Pak  
 K5664-7 for Prism Exhaust Booth Back-to-Back Standalone (Back-to-Back Starter), 230V, 1 Phase - One-Pak

### Add-On Booths:

K5664-2 for Prism Exhaust Booth Side-by-Side Add-On, 230V, 3 Phase - One-Pak  
 K5664-4 for Prism Exhaust Booth Back-to-Back Add-On, 230V, 3 Phase - One-Pak  
 K5664-6 for Prism Exhaust Booth Side-by-Side Add-On, 230V, 1 Phase - One-Pak  
 K5664-8 for Prism Exhaust Booth Back-to-Back Add-On, 230V, 1 Phase - One-Pak



Double Coverage – Captures weld fume at the source with a fume extraction arm and through the vent hood.



Standalone  
(Side-by-Side Starter)



Side-by-Side Add-On



Back-to-Back Standalone  
(Back-to-Back Starter)



Back-to-Back Add-On

Note: All models include interior fume extraction arm and control panel.

### Fume Unit Only, Order

K5663-1: Prism Exhaust Booth (Unit Only) 230V/3Ph  
 K5663-2: Prism Exhaust Booth (Unit Only) 230V/1Ph

## WELDING BOOTH WITH PRISM WALL MOUNT ONE-PAK PACKAGE



### WELDING BOOTH SINGLE WITH PRISM WALL MOUNT - ONE-PAK

#### Includes:

- Weld booth Single
- Telescopic Counter-Weight Fume Extraction Arm
- Prism Wall Mount Single, Base Unit w/ MERV 14 Filter
- 1 hp fan and manual start/stop fan control
- Weld curtain

#### Order

K5563-1 for Weld booth single 5 x 5 ft. (1.5 x 1.5 m) with fume extraction  
K5563-3 for Weld booth single 6 x 6 ft. (1.8 x 1.8 m) with fume extraction



### WELDING BOOTH DUAL WITH PRISM WALL MOUNT - ONE-PAK

#### Includes:

- Weld booth Dual
- 2x Telescopic Counter-Weight Fume Extraction Arms
- Prism Wall Mount Dual, Base Unit w/ MERV 14 Filter
- 2x 1 hp fans and manual start/stop fan control
- 2x Weld Curtains

#### Order

K5563-2 for Weld booth dual 5 x 5 ft. (1.5 x 1.5 m) with fume extraction  
K5563-4 for Weld booth dual 6 x 6 ft. (1.8 x 1.8 m) with fume extraction

#### Note:

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

## WELDING BOOTH WALLS

Single or multiple booth configurations and installations are possible. Booths come in various sizes. If a size other than what is listed below is required (ex. 4 x 4 ft., 6 x 6 ft., 7 x 7 ft., 8 x 8 ft.), reach out to a Lincoln Electric Environmental Specialist for a quote. Adjacent booths (side-to-side or back-to-back), share dividing panels to minimize the number of panels and posts required for setup.

#### Ordering multiple booths is easy!

1. Choose your configuration - Side-by-Side or Back-to-Back
2. Order 1x starter kit PLUS as many add-ons as needed to accommodate your space

#### Starter Booths

K5737-1 Weld Booth 5 ft. (1.5 m) Standalone (Side-by-Side Starter)  
K5737-3 Weld Booth 5 ft. (1.5 m) Back-to-Back Standalone (Back-to-Back Starter)

#### Add-On Booths

K5737-2 Weld Booth 5 ft. (1.5 m) Side-by-Side Add-On  
K5737-4 Weld Booth 5 ft. (1.5 m) Back-to-Back Add-On



Standalone  
(Side-by-Side Starter)



Single Add-On



Back-to-Back Standalone  
(Back-to-Back Starter)



Back-to-Back  
Add-On

## 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 (1270 x 1676 mm) for use with 4 ft. (1.2 mm) wide weld booths.  
K5249-2 Booth Curtain Kit, 62 in. W x 66 in. H (1575 x 1676 mm) for use with 5 ft. (1.5 mm) wide weld booths.  
K5249-3 Booth Curtain Kit, 74 in. W x 66 in. H (1880 x 1676 mm) for use with 6 ft. (1.8 mm) wide weld booths.  
K5249-4 Booth Curtain Kit, 86 in. W x 66 in. H (2184 x 1676 mm) for use with 7 ft. (2.1 mm) wide weld booths.  
K5249-5 Booth Curtain Kit, 98 in. W x 66 in. H (2489 x 1676 mm) for use with 8 ft. (2.4 mm) wide weld booths.

## FUME EXTRACTION OPTIONS



### Fume Extraction Arm Options

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

#### Order

K1655-14 5-8 ft. (1.5 - 2.4 mm) for use in booths 5 ft. 1.5 mm) and wider  
K1655-15 4-6 ft. (1.2 - 1.8 mm) for use in 4 ft. (1.2 mm) and 5 ft. 1.5 mm) 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. (1.5 - 2.4 mm) 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. (1.5 - 2.4 mm) 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]

For additional fume extraction and arm options refer to document E13.14

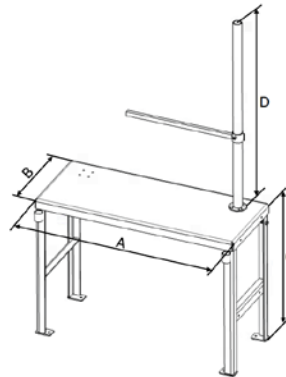
## WELDING TABLE PACKAGES



### Welding table with post and arm

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. (812.8 mm), 47 in. (1193.8 mm), or 58 in. (1473.2 mm) wide table surface. Tables include a 46 in. (1168.4 mm) tall adjustable post and a 25 in. (635 mm) 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 Post with Bar One-Pak

78 in. (1981 mm) tall floor post with a 25 in. (635 mm) long, height-adjustable workpiece arm.

#### Order

K5248-4



### Floor Post with Bar & Half-Round Table One-Pak

78 in. (1981 mm) tall floor post with a 25 in. (635 mm) long, height-adjustable workpiece arm. Includes a 32 in. (812.8 mm) diameter, half-circle, height-adjustable welding table.

#### Order

K5248-5



### Floor Post with Clamping Bar & Rectangular Table One-Pak

78 in. (1981 mm) tall floor post with a 28 in. (711 mm) long (total length), height-adjustable workpiece arm and vise clamp. Includes a 13 x 21 in. (300 x 533 mm) rectangular, height-adjustable welding table.

#### Order

K5248-6

## WELDING TABLE ACCESSORIES



### Floor Post

A 78 in. (1981 mm) tall post with floor mount. It is intended to be used with various tabletops and welding mounts.

**Order**  
K5667-1



### Table, Half-round

A 32 in. (812.8 mm) diameter, half circle, height-adjustable welding table.

**Order**  
K5667-2



### Table, Rectangular

A 13 x 21 in. (300 x 533 mm), rectangular, height-adjustable welding table.

**Order**  
K5667-3



### Workpiece Extension Bar

A 25 in. (635 mm) long, height-adjustable workpiece arm.

**Order**  
K5667-4



### Clamping Bar and Mounting Kit

A 28 in. (711 mm) long [total length] height-adjustable workpiece arm and vise clamp.

**Order**  
K5667-5

## WELD BOOTH ACCESSORIES



### 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. (0.91 m) long LED light bars, mounting hardware, connecting cables and on/off switch. Input power 120V/1-ph.

**Order**  
AD1389-20 for 4 ft. (1.2 m) and 5 ft. (1.5 m) wide booths AD1389-21 for booths 6 ft. (1.8 m) and wider



### Adjustable Stool

Heavy-duty stool with durable construction ideal for the welding booth

**Order**  
K5467-1

## MONITOR STUDENT ACTIVITY AT A GLANCE WITH BOOTH ASSIST

The Booth Assist alert system 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:

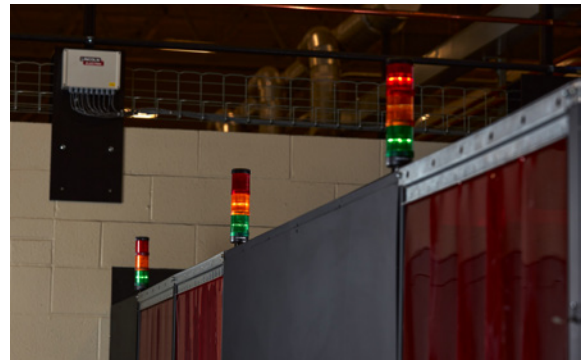
- Green Indicator = Booth is Occupied
- Amber Indicator = Student is Welding
- Red Indicator = Student Needs Support



**Order:**  
**K5319-1 Booth Assist**

### Includes:

- Control Panel 5.5 x 5.5 x 2 in. (140 x 140 x 51 mm)
- Light Stack
- Weld Sensing PCB
- Mounting Bracket and Hardware



## HOW TO GET STARTED

### SMALL TO MEDIUM SCHOOLS & SHOPS (LESS THAN 10 BOOTHS)

#### Choose the option below that best fits your needs:

1. Easy-to-Order One-Pak Packages
  - Easy K# ordering and drop-in plug-and-play format – just provide power.
  - Includes the booth structure - 5 x 5 ft. (1.5 x 1.5 m) or 6 x 6 ft. (1.8 x 1.8 m), welding fume filtration system, extraction arm and curtains.
  - Booths can be mounted side-by-side or back-to-back.
  - Welding tables and power sources are sold separately.
2. Design Your Own Booths with Standard K# Products
  - Calculate your space dimensions (overall length and outside dimensions of your weld booth area).
  - Choose your preferred configuration (side-by-side or back-to-back).
  - Order your walls - 5 x 5 ft. (1.5 x 1.5 m) fume extraction and other accessories separately.
3. Let Lincoln Electric Design the Space For You
  - If you need a custom booth size (4 ft., 6 ft., 7 ft., 8 ft. etc.) or if you need help designing the overall space, please reach out to a Lincoln Electric Environmental Specialist for a quote.

### LARGER SCHOOLS & SHOPS (MORE THAN 10 BOOTHS)

For spaces that require more than 10 booths, we recommend you reach out to a Lincoln Electric Environmental Specialist to discuss a larger central fume extraction system and custom booth layout. This will offer more flexibility and system optimization for your specific needs.

Call 1-888-935-3878 Option 4, email [weldingfumecontrol@lincolnelectric.com](mailto:weldingfumecontrol@lincolnelectric.com), or visit [www.lincolnelectric.com](http://www.lincolnelectric.com) for more information.

## 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
K5737-1	5 ft 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 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 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 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.

## WELD BOOTH WITH PRISM WALL MOUNT ONE-PAK PACKAGES - PRODUCT SPECIFICATIONS

Product Number	Product Description	Interior Dimensions ft (m)	Exterior Overall Dimensions ft (m)	Input Power Voltage/Phase/Hertz	Height ft (m)	Panel Construction	Reinforced Frame	Filter Area ft2 (m2)
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)	120/1/60	11.2 (3.4)	16 Gauge sheet metal	11 Gauge angle	538 (50)
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)	120/1/60 (Qty 2)				
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)	120/1/60				
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)	120/1/60 (Qty 2)				

## PRISM EXHAUST BOOTH ONE-PAK PACKAGES - PRODUCT SPECIFICATIONS

Product Number	Product Description	Interior Dimensions ft (m)	Exterior Overall Dimensions ft (m)	Height ft (m)	Panel Construction	Reinforced Frame	Input Power voltage/phase/hertz
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	208-230/3/50-60
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)				208-230/1/50-60
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)				

**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. Welding operations may produce hazardous gases such as carbon monoxide, oxides of nitrogen, and ozone. This equipment is designed to remove welding fume particulate, not gases. Ensure that adequate make-up air ventilation is provided to the workspace to prevent potential overexposure to these gases (see AWS Fact Sheet No. 36).

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, 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.

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.

