WELD TRAINING SOLUTIONS

REALWELD®

WELD. SCORE. SUCCEED.

Adding a REALWELD Advanced Trainer to your welding program can help you improve training results. Using the system’s Arc OFF mode, your students can practice, troubleshoot and master welding techniques while reducing program material costs, including welding plate, electrode or wire and shielding gas. With audio coaching and instructor review of objective scores on five welding parameters, your students hit the booth running to speed up comprehension and training time. And, greater understanding and mastery of techniques means higher certification rates. When used with advanced welding equipment like the Power Wave® C300, REALWELD exposes your students to advanced manufacturing technologies used in industry today. With more opportunities for guided skills practice, your students will be better prepared to WELD, SCORE and SUCCEED in their career path.
BENEFITS

• Train welders faster and more efficiently
• Attract and engage next generation and non-traditional students
• Option for off-site pre-learning in any classroom
• Enhance and supplement traditional welding training
• Go Green — Save money on base material, electricity, consumables and waste
• Enables experiential and personalized progressive learning
• Supports pre-employment recruiting and weld screening
• Objective skills-based welder evaluation

FEATURES

Stick to Learning
• Stick (SMAW), MIG (GMAW) and flux-cored (FCAW) welding procedures and techniques

Go Long
• Multi-pass capability in a number of positions (1F, 2F, 3F, 4F, 1G, 2G, 3G)
• 6 in. (152 mm) or 18 in. (457 mm) fixtures
• Longer welds replicate more closely common field conditions
• Weld on up to 1 in. (25.4 mm) plate
• Lap, tee, groove and flat plate coupon configurations

Listen and Learn
• Includes an audio coach that provides guidance with weld speed, angles, aim, contact tip to work distance/arc length and position in the weld
• Audio cues can be turned ON or OFF at any time, allowing the student or prospective employee to demonstrate learned behaviors

Knowledge in a Small Space
• Slim, vertical design maintains a small footprint that makes the system ideal for setting up in any weld booth
• Easily rolls through any standard doorway

Integrated 17 in. (432 mm) Touchscreen
• Integrate videos, documents, images, websites and curriculum to enhance learning
• Usable even with gloved hands

Everything in its Place
• Fixture storage racks accommodate all fixtures, including 6 in. (152 mm) or 18 in. (457 mm)

Motor Up
• Motorized carriage makes it easy to move the table and arm for welding in flat, vertical or overhead positions

INSTRUCTOR CAPABILITIES

Reporting
• The system provides instant feedback to the welder and can help the instructor with reporting and student evaluation

Go Offline
• Desktop Instructor allows the instructor to create or modify WPS tolerances and user profiles at their own laptop or office desktop computer. Software available in 12 languages.

Unlimited WPS (Tolerance)
• Create an unlimited number of customizable Welding Procedure Specifications (WPS)

Common Lincoln Electric WPS Platform
• Use the same instructor customized WPS from your Lincoln Electric VRTEX® Virtual Reality Weld Simulation Trainer

THE CHOICE IS YOURS

• Complete welding package, including a Lincoln Electric Power Wave® C300 welding power source and Miniflex® fume extraction system
• Add the REALWELD Trainer only to your existing booth and welding equipment
1. Camera Array
2. EN 20 Fume Control Nozzle
3. Adjustable Height and Position Welding Table
4. Miniflex® Fume Control System
5. Set of 3 – 6 in. or 18 in. Joint Fixtures
6. Standard Stick Stinger
7. Storage racks for up to 6 fixtures
8. Sensor Target Device
9. Standard Magnum® PRO MIG Gun
10. Power Wave® C300 Multi-Process Welding Power Source and Rolling Storage Cart
11. Enclosed Computer
12. Motorized carriage raises or lowers table
13. 17 in. (432 mm) touch screen

REALWELD SCREEN ANALYSIS

14. Weld Analysis - % of time welder is within tolerance on ALL 5 parameters
15. Percent Time Parameter Performance with Tolerance - % of time parameter is within tolerance
16. Welder’s Performance vs Tolerance - Tolerance (green section) - Welder’s Action (line)

[(1) 18 inch Joint Fixtures are Optional. Order K4344-2 (set of three 18 in. (457 mm) weld fixtures)]

[(2) Photo shows K4344-3 (One-Pak® Package – including Power Wave C300 welding power source (K2675-2) and cart (K2734-2), Miniflex fume extraction system (K3972-3) with nozzle (K2389-5), 6 in. (152 mm) weld fixtures)]
CUSTOMER ASSISTANCE POLICY

The business of The Lincoln Electric Company is manufacturing and selling high quality welding equipment, consumables, and cutting equipment. Our challenge is to meet the needs of our customers and to exceed their expectations. On occasion, purchasers may ask Lincoln Electric for information or advice about their use of our products. Our employees respond to inquiries to the best of their ability based on information 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. Accordingly, Lincoln Electric does not warrant or guarantee or assume any liability with respect to such information or advice. Moreover, the provision of such information or advice does not create, expand, or alter any warranty on our products. Any express or implied warranty that might arise from the information or advice, including any implied warranty of merchantability or any warranty of fitness for any customers’ particular purpose is specifically disclaimed.

Lincoln Electric is a responsive manufacturer, but 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 for any updated information.

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

REALWELD SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>K4344-1</td>
<td>[Base Model – REALWELD Only]</td>
</tr>
<tr>
<td>K4344-3</td>
<td>[One-Pak® Package – including Power Wave C300 welding power source (K2675-2) and cart (K2734-2), Miniflex fume extraction system (K3972-3) with nozzle (K2389-5), 6 in. (152 mm) weld fixtures]</td>
</tr>
<tr>
<td>K4344-2</td>
<td>[set of three 18 in. (457 mm) weld fixtures]</td>
</tr>
</tbody>
</table>

Input Power

<table>
<thead>
<tr>
<th>Input Power</th>
<th>115/230/1/50/60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Current</td>
<td>3A @ 115VAC, 1.5A @ 230VAC</td>
</tr>
</tbody>
</table>

Operating System

Windows® 7 (32-Bit)

Processor / Memory

Intel® Core™ i3 / 4GB

Hard Drive

High Performance 256GB

Ports (QTY) – USB 2.0/Ethernet

2 / 2

H x W x D – in (mm)

Lowered: 78 x 36 x 36 (1943 x 914 x 914)

Raised: 101 x 36 x 36 (2540 x 914 x 914)

Packaged Net Weight – lb (kg)

Base Model – Net 400 lbs (882 kg), w/ Crate 500 lbs (1102 kg)

One-Pak® Package – Net 625 lbs (1378 kg), w/ Crate 700 (1544 kg)

POWER WAVE C300 PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>K2675-2</td>
<td></td>
</tr>
</tbody>
</table>

Input Power

<table>
<thead>
<tr>
<th>Input Power</th>
<th>208/220-230/380/3/50/60</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>208/220-230/150/60</td>
</tr>
</tbody>
</table>

Rated Output – Current/Voltage/ Duty Cycle

300A/29V/40%

250A/27V/100%

Input Current @ Rated Output

3 Ph / 40% Duty Cycle: 30/28/16/14/11A

1 Ph / 40% Duty Cycle: 53/48/29A

Wire Feed Speed Range – ipm (m/min)

50-700 (1.27-17.8)

Wire Size Range – in (mm)

Solid: 0.023-0.045 (0.6-1.2)

Cored: 0.035-0.045 (0.9-1.2)

H x W x D – in (mm)

18.8 x 14 x 27.4 (478 x 356 x 697)

Net Weight – lb (kg)

100 (47.6)

MINIFLEX PRODUCT SPECIFICATIONS

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>K3972-3</td>
<td></td>
</tr>
</tbody>
</table>

Input Power – Voltage/Phase/Hertz

115/1/50/60

Input Current

12A

H x W x D – in (mm)

29 x 15.6 x 16.8 (736 x 396 x 421)

Net Weight – lb (kg)

40 (18.144)

All trademarks and registered trademarks are the property of their respective owners.

JOIN THE LINCOLN ELECTRIC EDUCATION COMMUNITY!

Sign up for the First Pass™ Newsletter at www.lincolnelectric.com/firstpass:

See upcoming events, customer highlights, Lincoln Electric activity, updates and tips and tricks to help with your implementation of welding training in your environment.

twitter.com/LincolnElectric

Interact with us on Twitter® and let us know how, where and when you are using your welding training products.

facebook.com/LincolnElectric

Join us online and hear what others are saying. Interact and like posts and updates that you find exciting and interesting. We’d be happy to hear from you.

EXCEPTIONAL CUSTOMER SERVICE

Lincoln Electric has a global network of facilities and people to provide quick response and personalized attention. No matter where your welding operations are located today, no matter where they will be tomorrow, Lincoln Electric experts are ready to provide local support and create and implement solutions to fit your needs.

SERVICE AND SUPPORT THAT YOU CAN COUNT ON

» 24/7 Phone Support 1-888-935-3878

» Contact us with comments or questions REALWELD@lincolnelectric.com

» Online Tips and Tricks (www.realweldsystems.com)

» Warranty and Service Support

» Train-the-Trainer programs held regularly in facilities or on-site training and set-up can be purchased.

REALWELD SPECIFICATIONS

Product Number

<table>
<thead>
<tr>
<th>K4344-1</th>
<th>[Base Model – REALWELD Only]</th>
</tr>
</thead>
<tbody>
<tr>
<td>K4344-3</td>
<td>[One-Pak® Package – including Power Wave C300 welding power source (K2675-2) and cart (K2734-2), Miniflex fume extraction system (K3972-3) with nozzle (K2389-5), 6 in. (152 mm) weld fixtures]</td>
</tr>
<tr>
<td>K4344-2</td>
<td>[set of three 18 in. (457 mm) weld fixtures]</td>
</tr>
</tbody>
</table>

Input Power

<table>
<thead>
<tr>
<th>Input Power</th>
<th>115/230/1/50/60</th>
</tr>
</thead>
</table>

Input Current

3A @ 115VAC, 1.5A @ 230VAC

Operating System

Windows® 7 (32-Bit)

Processor / Memory

Intel® Core™ i3 / 4GB

Hard Drive

High Performance 256GB

Ports (QTY) – USB 2.0/Ethernet

2 / 2

H x W x D – in (mm)

Lowered: 78 x 36 x 36 (1943 x 914 x 914)

Raised: 101 x 36 x 36 (2540 x 914 x 914)

Packaged Net Weight – lb (kg)

Base Model – Net 400 lbs (882 kg), w/ Crate 500 lbs (1102 kg)

One-Pak® Package – Net 625 lbs (1378 kg), w/ Crate 700 (1544 kg)

POWER WAVE C300 PRODUCT SPECIFICATIONS

Product Number

| K2675-2 | |

Input Power

<table>
<thead>
<tr>
<th>Input Power</th>
<th>208/220-230/380/3/50/60</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>208/220-230/150/60</td>
</tr>
</tbody>
</table>

Rated Output – Current/Voltage/ Duty Cycle

300A/29V/40% |

250A/27V/100% |

Input Current @ Rated Output

3 Ph / 40% Duty Cycle: 30/28/16/14/11A

1 Ph / 40% Duty Cycle: 53/48/29A

Wire Feed Speed Range – ipm (m/min)

50-700 (1.27-17.8)

Wire Size Range – in (mm)

Solid: 0.023-0.045 (0.6-1.2)

Cored: 0.035-0.045 (0.9-1.2)

H x W x D – in (mm)

18.8 x 14 x 27.4 (478 x 356 x 697)

Net Weight – lb (kg)

100 (47.6)