

REALWELD

WELD TRAINING SOLUTIONS



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. 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 new career path.

Processes
Stick, MIG, FCAW

Applications
High School, Technical College, Engineering or Industrial Training Centers

Product Number
K4344-4 (Base Model CE)
K4344-5 (One-Pak® CE)

OUTPUT Output (Power Wave® C300)



INPUT Input (REALWELD Controller)



Stick to Learning

Why settle for just MIG training? The REALWELD Trainer also takes students through stick and flux-cored welding procedures and techniques.

Listen and Learn

The most effective learning experience is the one that engages multiple senses. The REALWELD Trainer 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 off at any time, allowing the student or prospective employee to demonstrate learned behaviors.

Go Long

The REALWELD Trainer allows the student to practice multi-pass capability on positions 1F, 2F, 3F, 4F, 1G, 2G, 3G on lap, tee, groove and flat plate coupons with up to 25.4 mm plate on 152 mm or 457 mm coupons. Longer welds replicate more closely common field conditions.

Knowledge in a Small Space

The REALWELD Trainer's slim, vertical design maintains a small footprint that makes the system ideal for setting up in any weld booth to provide an optimal training experience. The system easily rolls through any standard doorway.

Reporting Capability

The system provides instant feedback and can help the instructor with reporting and student evaluation.

Motor Up

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

Everything in its Place

Fixture storage racks accommodate all fixtures, including 152 mm and 457 mm.

Unlimited WPS (Tolerance)

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

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.

Common Lincoln Electric WPS Platform

Use the same pre-loaded or instructor customized WPS from your Lincoln Electric VRTEX® Virtual Reality Weld Simulation Trainer.

REALWELD Positions

REALWELD Trainer teaches multiple welding processes in a number of welding positions (1F, 2F, 3F, 4F, 1G, 2G, 3G) and joints (lap, tee, groove, flat plate).



Table Position 1
Position: Flat



Table Position 1
Position: Horizontal



Table Position 2
Position: Overhead



Table Position 3
Position: Vertical

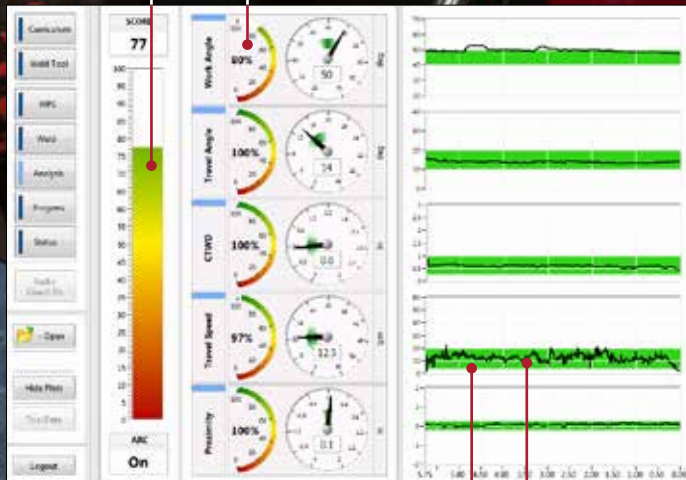


REALWELD®

LINCOLN
ELECTRIC

Weld Analysis:
% of time welder is
within tolerance on
ALL 5 parameters

% of time parameter
is within tolerance



REALWELD includes an
integrated touchscreen,
usable even with gloved hands.

Welder's action (line)

Tolerance (green section)

PRODUCT SPECIFICATIONS

Product Name	Product Number	Input Power	Operating System	Processor / Memory	Hard Drive	Ports (QTY) USB 2.0 / Ethernet	H x W x D (mm)	Packaged Net Weight (kg)
REALWELD® Trainer	K4344-4	115/230/1/50/60 3A@115VAC, 1.5A@230VAC	Windows® 7 (32-Bit)	Intel® Core® i3 / 4GB	High Performance 256GB	2 / 2	Lowered: 1943 x 914 x 914 Raised: 2540 x 914 x 914	882 w/ Crate 1102
REALWELD Trainer One-Pak®	K4344-5							1378 w/ Crate 1544

ACCESSORIES	Product Number	REALWELD Trainer Base Model [K4344-1]	REALWELD Trainer One-Pak® [K4344-3]
GENERAL			
Clamps – Qty. 2	–	•	•
Fixtures 152 mm – Set of 3	–	•	•
432 mm Protective Screen Covers	KP4353-1	•	•
Custom Calibration Tips & Markers for table, GMAW/FCAW gun and SMAW Electrode Holder	KP4354-1	•	•
Fixtures 457 mm – set of 3	K4344-2	•	•
Power Wave® C300 Welding Power Source	K2675-2	•	•
Power Wave C300 Cart	K2734-2	•	•
Miniflex Fume Extraction System	K3972-3	•	•
Miniflex EN-20 nozzle	K2389-5	•	•

STICK	Product Number	REALWELD Trainer Base Model [K4344-1]	REALWELD Trainer One-Pak® [K4344-3]
EH200 SMAW Electrode Holder	–	•	•

• Included • Optional



CUSTOMER ASSISTANCE POLICY
 Lincoln Electric® business 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 advice or information about their use of our products. We respond to our customers based on the best information in our possession at that time. Lincoln Electric® is not in a position to warrant or guarantee such advice and to the extent permitted by law assumes no liability, with respect to such information or advice. As a matter of practical consideration, we also cannot assume any responsibility for updating or correcting any such information or advice once it has been given. The provision of information or advice does not create, expand or alter this warranty. 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 this type of fabrication methods and service requirements. Subject to Change – This information is accurate to the best of our knowledge at the time of printing.

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