

# WELDING TRAINING SOLUTIONS

## VRTEX® ENGAGE



## WELDING STARTS HERE

For some, the first step into the virtual learning environment can be a big one. Lincoln Electric makes that first step easier with VRTEX® Engage™. This standalone foundational system is designed to introduce students to the skilled trades - specifically arc welding.

VRTEX Engage includes a touch screen monitor, welding gun, tracking device and a work surface. It's all contained in a lightweight and portable carrying case that can be deployed in any setting – industrial, educational or elsewhere.

VRTEX Engage is a cost-effective tool designed to help educators train welders more efficiently and engage students to explore a career in welding. The system addresses introductory welding lessons, including safety, machine and process selection, welding procedure set up, welding theory and more.

### Processes »

SMAW, GMAW, FCAW-G and FCAW-S

### Product Number »

K4299-1 Standard Frequency  
K4299-2 Alternate Frequency 1  
K4299-3 Alternate Frequency 2  
K4299-4 Alternate Frequency 3



The road to educating a skilled welding workforce starts with one small step. Make that small step a giant leap with VRTEX Engage.

## BENEFITS

### Learn anywhere

- The portable system sets up anywhere to introduce the skilled trades to students.

### One small step

- VRTEX Engage provides an introductory environment that incorporates STEM features, exposure to welding safety, procedures and techniques.

### No Hidden Fees

- With VRTEX Engage, there are no licensing requirements or annual fees for use.

### Increase hands-on practice

### Explore welding career paths

### Reduce costs with no waste

- There is no use of metal or gas in the virtual environment.

## FEATURING

### Complete package

- VRTEX Engage, housed in a sturdy rolling hardshell case, contains a complete learning environment. Just open the box and get started.

### View a demo of each weld

### Instant feedback and assessments

- Evaluate student understanding of basic welding safety and weld procedure setup

### Video replay

- For instructor or student review and analysis on the welding process

## VRTEX ENGAGE COMPONENTS AND SPECIFICATIONS

<b>Computer</b>	MS Windows® 7 Professional 32-bit Intel® Core® i5 Quad core processor 4GB DDR memory 128 GB Solid State Drive 2GB high-powered graphics card
<b>Monitor</b>	17" LCD monitor - resistive touch screen
<b>Speakers</b>	USB 2.0 powered speakers
<b>VRTEX Welding Transfer Modes</b>	Simulates short arc, spray and pulse
<b>Language Support</b>	English, French, Spanish, Portuguese, German and Russian

## VRTEX ENGAGE OPERATING AND SHIPPING SPECIFICATIONS

<b>Input Power</b>	115/230/1/50/60
<b>Input Current</b>	1A @ 115, 0.5A @ 230
<b>H x W x D – in (mm)</b>	24.5 x 19.37 x 12.22 (622.3 x 492 x 310.4)
<b>Net Weight – lb (kg)</b>	50 (22.6)

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

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

### [facebook.com/LincolnElectric](https://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 [VRTEX@lincolnelectric.com](mailto:VRTEX@lincolnelectric.com)
- » Online Tips and Tricks ([www.VRTEX.com](http://www.VRTEX.com))
- » Warranty and Service Support
- » Train-the-Trainer programs held regularly in facilities or on-site training and set-up can be purchased.

## 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.

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