The VRTEX systems are virtual reality arc welding training simulators. These computer based training systems are educational tools designed to supplement and enhance traditional welding training. They allow students to practice their welding technique in a simulated and immersive environment. The VRTEX systems promote the efficient transfer of quality welding skills and body positioning to the welding booth while reducing material waste associated with traditional welding training. The combination of realistic puddle, arc welding sound, and real-time feedback tied to the welder’s movement provides a realistic and exciting, hands-on training experience.

The VRTEX Mobile system allow students of any age to try welding in a safe, virtual environment with realistic graphics, from a military base to a motorsports garage. Note: table not included.
The VRTEX® Mobile is a basic, entry level welding training system. It is designed to provide mobility in an easy to use and engaging welding training tool. The VRTEX Mobile is ideal for initial, basic welding training, as a recruitment and engagement tool for educational and industry and for employment and screening for human resources or as an evaluation tool for instructors and educators to get a baseline on student knowledge. The VRTEX Mobile is definitely on the move!

**VRTEX MOBILE PROVIDES:**

**Flexibility**
- Multiple welding processes and positions
- Variety of joint configurations
- Instructor tools allow modification based on preferred welding program and style

**Innovation**
- Realistic welding puddle appearance and sounds
- Magnetic tracking system provides accurate measurements for student score and evaluation
- Virtual weld discontinuities appear in the weld when improper welding technique is used

**Classroom Performance**
- Visual cues give real-time technique feedback
- Advanced scoring system for student evaluation
- Encourages interaction — the instructor can coach the welder while conducting virtual weld inspection
- Record, archive and verify student work

**Consumable and Environmental Savings**
- No welding consumables, wire or waste
- Track savings with the Weldometer™

**Language Support**
English, French, German, Spanish, Turkish, Japanese, Chinese (Mandarin), Portuguese (Brazilian), Russian, Korean, Hindi and Arabic

**Demo Mode**
Allows the instructor or student to view an example weld or a demonstration of proper technique, prior to a weld being made

**Replay Mode**
Allows for instructor or student to review and analyze the welding process

**SET-UP AND INSTALLATION REQUIREMENTS**
- The VRTEX system requires minimal space for set-up. Dimensions are 8 W x 8 D x 8 H ft. (2.4 x 2.4 x 2.4 m).
- When operating multiple units in one location, switch between standard and alternate frequency systems (unique part numbers are identified).
- The VRTEX Mobile system is not designed for operation in harsh environments. Recommendations are listed in the instruction manual.
- Avoid magnetic fields, conductive and high frequency objects and processes.
- An uninterruptible power supply (UPS) may be required for protection of the system from power irregularities and/or disruptions.
MOBILE OPERATING AND SHIPPING SPECIFICATIONS

<table>
<thead>
<tr>
<th>Input Power</th>
<th>115/230/1/50/60</th>
</tr>
</thead>
<tbody>
<tr>
<td>Input Current</td>
<td>4A at 115, 2A at 230</td>
</tr>
<tr>
<td>Net Weight</td>
<td>Machine: 125 lbs (56.7 kg); Monitor: 20 lbs (9 kg); Crate: 155 lbs (70.3 kg); Armrest: 7 lbs (3.1 kg)</td>
</tr>
<tr>
<td>Dimensions (H x W x D)</td>
<td>Machine: 32.5 x 19.5 x 38.5 in (826 x 496 x 978 mm); Monitor: 14.4 x 15.4 x 8.0 in (366 x 392 x 204 mm); Coupon Stand with Arm: 17 x 12 x 14 in (431 x 305 x 356 mm)</td>
</tr>
<tr>
<td>Packaged Weight</td>
<td>312 lbs (141.5 kg)</td>
</tr>
<tr>
<td>Packaged Dimensions (H x W x D)</td>
<td>48 x 24 x 48 in (1220 x 610 x 1220 mm)</td>
</tr>
</tbody>
</table>