



Training Products

Powered by

Weldability **sif**

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Virtuweld Treo



Virtuweld Treo simulator package

Multi-Process welding simulation

The **Virtuweld Treo** simulator is a training tool that provides life-like virtual welding practice. Its movement detection system breaks down users' manual dexterity parameters and trains all welding positions without any need for calibration. Its graphic interface and use of real welding torches provide unequalled realism in MIG, Stick (MMA) and TIG.



Virtuweld Treo simulates MIG, Stick and TIG welding, providing three real welding torches for more accurate feel and durability

Virtuweld Treo Benefits

- Virtual immersion turnkey system powered by visual detection of sensors.
- Realistic immersive 3D environment with simulation of virtual smoke, sparks, wire droplets and welding sounds
- Touch-screen with the possibility to mirror display output to external monitors
- Single-phase power suitable for 120 or 220/230V operation
- Real welding torches
- Height adjustable telescopic table for better ergonomics and support for vertical and overhead welding positions
- Foot-pedal operation in TIG
- 'On-screen' or 'in-helmet' virtual-reality experience
- Self contained operation - no internet connection necessary



Virtuweld Treo System Features

- Three real welding torches for more accurate feel and durability
- MIG, MMA, TIG, FCAW, and MCAW processes
- MMA with virtual electrode
- TIG torch with virtual electrode and high frequency welding pedal
- Travel angle, work angle, arc speed, motion straightness and stick-out variation guides
- Multi-pass welds on various plate thicknesses
- Flat, horizontal, vertical and overhead welding positions
- Mild steel, stainless steel and aluminum alloys
- Lap, fillet, corner and groove joint configurations
- Over 100 WPSs included, that are engineer-certified according to industry code
- Small footprint for easier classroom setup
- Three levels (Beginner, Intermediate & Expert)
- Practice, Exercise and Replay modes
- Custom settings for right and left-handed welders
- Printable diagnostic reports with data and graphics for travel angle, work angle, arc speed, motion straightness, stick-out and metallurgical analysis
- Fully calibrated. No calibration required by the user
- Classroom management with individual user accounts
- Welding mask with virtual reality glasses
- Height-adjustable telescopic table
- T joint, V butt joint & Lap joint virtual coupons



Ordering information

Description	Part number
Virtuweld Treo Simulator Package	WBLEARN26



The Weldability Sif Foundation

The Weldability Sif Foundation is a charity, registered in the UK (#1142419), which was formed in 2012 with the specific objective of facilitating an increase in the provision of vocational welder training at FE colleges, UTCs, universities, schools and academies across the UK and Ireland.

In order to achieve this objective, The Weldability Sif Foundation makes a series of grant payments to institutions each year, by way of matched-funding, against capital equipment purchases and ongoing curriculum delivery costs. Centres operating 'welding studios' which deliver vocational welder training courses meeting the required criteria are able to submit applications for grants annually over a five year programme.

Since its inception, The Weldability Sif Foundation has supported over 30 institutions in commencing – or expanding – their provision of welder training. These 'welding studios' have subsequently delivered over 4,000 welding qualifications, to the suite of Awards, Certificates or Diplomas developed by EAL in partnership with The Weldability Sif Foundation.

If your college, school, UTC or academy is planning or reviewing its welding course provision, why not enquire whether The Weldability Sif Foundation is able to offer assistance? Visit www.weldability-sif.org for more details.