

REDWELD WELDING SIMULATOR RED-WS100

DATA SHEET



Dimensions: 127cmx85cmx159cm

Weight: 90kg

Welding processes supported:

- SMAW
- GMAW-GTAW
- FCAW
- TIG

Welding positions: PA, PB, PC, PD, PF/PG, PE, PH/PJ, 2F, 3F, 4F, 1G, 2G, 3G, 4G, 5G, 5F

Welding joints: V-butt plate, V butt 6" plate, over lapped plate, T-angle plate, T-angle plate, T-angle 6" pipe to plate.

Accessories: Arc welding torch, Gas welding torch, Tig welding torch, VR based welding mask, Stand

Thickness selection: 3-10 mm

Material selection: Carbon steel, stainless steel, and aluminium

Power supply: 100-240 V

Total power: 1KW

Voltage selection	Yes
Amperage selection	Yes
Shielding gas selection	Yes
Wire speed selection	Yes
Stitch technic selection	Yes
Direction selection	Yes
Hand selection	Yes. Right or left
Real welding torches	Yes
Remote maintenace	Yes
Helmet	Meta Quest 2
Languages	English, Turkish
Visual Hint	Yes
Area Selection	Yes, welding workshop, construction zone, maintenance center, shipyard
Polarization	Yes

Electrode / wire material selection	Yes
Electrod / wire diameter selection	Yes
User Evaluation System	Yes
Video recording	Yes
Project to Larger Screens	Yes
Display size	21,5" touch screen
Vision technology	Virtual reality
Sound	3D sound
Updates	Yes
Warranty	2 years

Analyzed Parameters:	Analyzed welding errors:
<ul style="list-style-type: none">- Feed rate,- Work angle,- Travel angle,- Arc length distance,- Position,- Distance between contact nozzle and workpiece.	<ul style="list-style-type: none">- Insufficient penetration,- Slag containment,- Undercut,- Porosity,- Poor bead placement,- Convex, Concave- Wrong welding size,- Excess Spatter,- Melt/Blow through.

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