

# REDWELD COMPACT WELDING SIMULATOR RED-WS200 DATASHEET



**Dimensions:** 63cmx54cmx60cm

**Weight:** 30kg

**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 6" pipe to plate.

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

**Thickness selection:** 3-10 mm

**Material selection:** Carbon steel, stainless steel, and aluminium

**Power supply:** 100-240 V

**Total power:** 1KW

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

<b>Electrode / wire material selection</b>	Yes
<b>Electrod / wire diameter selection</b>	Yes
<b>User Evaluation System</b>	Yes
<b>Video recording</b>	Yes
<b>Project to Larger Screens</b>	Yes
<b>Display size</b>	15,6" touch screen
<b>Vision technology</b>	Virtual reality
<b>Sound</b>	3D sound
<b>Updates</b>	Yes
<b>Warranty</b>	2 years

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

**Redlab Mühendislik Limited Şirketi**

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