

REDWELD WELDING SIMULATOR

RED-WS100

REDWELD RED-WS100 is a Welding Simulator that provides welding training solutions for educational centers and industrial companies. The simulator uses Virtual Reality (VR) technology to create a realistic training environment that closely resembles real-life welding scenarios. Students and Future welders can practice real- world welding skills without using real equipment." TRAIN your students in less time and start saving."

VR Welding Simulation Specification:

- The system consists of a different welding processes and positions, welding mask, and 6G welding jig.
- Welding processes SMAW, GMAW, FCAW and GTAW (AC/DC)
- It has an actual GMAW, GTAW, SMAW welding torches.
- Welds according to at least 6 welding positions up to 6G pipe
- Base materials for carbon steel, stainless steel, and aluminum
- Welding positions: 2F,3F,4F,1G,2G,3G,4G,5G,6G
- Welding positions: PA, PB, PC, PD, PF/PG, PE, PH/PJ
- Ethernet or wireless access to all data with Teacher's Software
- Video of the exercise can be store on the simulator device.
- Data can be transfer to the teacher's software computer.
- Welds up to 4 passes for each process
- Weld seams option for flat, zigzag, triangular crescent, and circular
- Welds right to left or left to right for left- or right-hand user.
- Software can be updated when available.
- System has internal USB, Ethernet, HDMI output.



Visual Hint



Technical Specifications

Model RED Weld 100	Specification
Power Supply	100-240V
Technology	Virtual Reality
Welding Process supported	Manual: GMAW & FCAW, SMAW, GTAW
Welding Positions	PA, PB, PC, PD PF/PG, PE, PH/ PI, HL045/ JL045. 1F,2F,3F, 4F,5F, 6F, 1G, 2G,3G,4G,5G, 6G
Work pieces Positions	Horizontal, Vertical, Flat, Overhead
Thickness Selection	3mm, 4mm,5mm,6mm,7mm,8mm,9mm and 10mm
Intensity (Amperage) Selection	-Electrode (SMAW_50-240A -MIG/MAG(GMAW), FCAW, TIG(GTAW)25A-270A
Current Polarity	AC/DCEP/DCEN
Gas	Standard Version: CO2, Argon CO2 Mixture, and Argon Helium Mixture
Wire Speed Selection	MIG/MAG (GMAW) FCAW 102-20.0m/min
Base Material Selection	-Carbon Steel -Stainless Steel and Aluminium
Electrode Stick selection (SMAW)	-Main version: Rutile, Alkaline, Cellulosic
Electrode Stick Diameter Selection (SMAW)	-Standard version: 2.5, 3.2 & 4.0mm - Electrode selection: E7018, E6010, E6013
Solid wire Diameter selection (SMAW/ FCAW)	-Wire size: 0.8,1.0,1.2 and1.6mm
Filler Wire Diameter Selection (GTAW)	-Filler Wire Size :1.6, 2.4 and 3.2mm
Tungsten Electrode Diameter Selection (GTAW)	-Filler Wire Size: 1.6,2.4,3.2mm
Tungsten Electrode Tip Selection (GTAW)	Sharpen/ non-sharpen
Display Size	21.5" touch screen
Sound	3D sound
Dimension (Without Accessories)	127cm x 85cm x159cm
Weight	90 Kgs
Analyzed welding errors	-Insufficient penetration -Slag containment -Undercut -Porosity -Poor bead placement -Convex, Concave -Wrong welding size -Excess spatter - Melt/Blow through
Analyzed Parameters	-Travel speed -Work angle -Travel angle -Arc length -Position -Distance between contact nozzle and work piece
Accessories	Welding Gloves, WIFI antennas (Built in)

Sales And Services: -
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