



Welding training transformed

68% Average Consumable savings*
56% real workshop time reduction*

Engage your students in the latest training technology by simulating real life MIG, TIG and ARC welding at any angle – whilst significantly reducing costs and training hours too.

Our augmented reality training system offers students the most advanced and realistic welding simulation in the world. It allows them to repeatedly practice their technique without any additional costs, as well as minimising physical risks and gas emissions.

One of the most advanced welding training systems available, it allows students to work with real 3D objects combined with virtual computer-generated images to give them the most realistic welding experience possible.

They can repeatedly practice techniques and the system can be networked and controlled by the tutor for the optimal teaching tool.

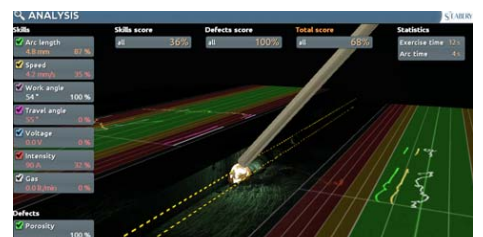
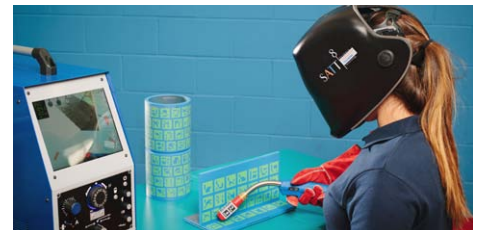
The experience with Soldamatic is pretty awesome. It gives you a life-like feel"

Corey Stevens, Welding Instructor
Wayne County CTE Centre (USA)

System features

- Simulate MIG, TIG and Arc Welding
- Simulate full 360 degree welding on a variety of workpieces at a variety of work angles
- Included analysis module grades both welding technique and weld defects
- Includes pre-defined training courses
- Captures and grades students work creating a comprehensive portfolio of individual students evidence
- Includes teacher software for real time student monitoring and custom course creation
- Welding mask features integrated vision and sound systems for a truly immersive welding training experience
- Arc welding features motorised stick to accurately simulate electrode useage
- Three difficulty levels allows for student progression until they are 'ready for the welding booth'

Augmented Reality Welding Training SOLDAMATIC



"A beginning welder can learn faster, it is a very helpful and nice tool to train with"

Susan Leising,
Teaching Media/Regulations division
DVS Media (Germany)

* Real case-study of Soldamatic classroom in a welding centre

Soldmatic

Augmented reality welding training

Soldmatic	System specifications
Supported Welding Processes	Manual Arc Welding, MIG/MAG, TIG, GMAW, FCAW, GTAW
Supported Joints	V-butt joint, lap joint, T-joint, pipe V-butt joint and pipe T-joint
Welding Positions ISO 6947:2011 ANSI/AWS A3.0M/A3.0:2011	PA, PC, PF/PG, PE, PH/PJ, H-L045/J-L045, PB, PD 1F, 2F, 3F, 4F, 1G, 2G, 3G, 4G, 5G, 6G
Workpiece Positions	Plain, vertical, flat, overhead
Voltage Selection	10V - 30V MIG/MAG (GMAW), FCAW 12V-32V
Intensity (Amperage) selection	Electrodo (SMAW) 50A-240A MIG/MAG (GMAW), FCAW, TIG (GTAW) 25A-270A
Polarity selection	DC+, DC-, AC
Shielding gas selection	CO2, Argon, Helium and mixtures. Optional: O2, Nitrogen, etc.
Wire speed selection	MIG/MAG (GMAW), FCAW 1.2-20.0 m/min
Base material selection	Carbon steel. Optional: stainless steel, aluminium, nickel, copper, etc.
Workpiece thickness selection	3, 6 and 10mm. Optional: other thicknesses on request
Electrode stick selection	Base, rutile. Optional: celulocic, etc.
Electrode stick diameter selection	2.50, 3.25 and 4.00 mm
Wire diameter selection (solid wire)	0.8, 1.0 and 1.2 mm
Filler rod selection	2.00 and 2.40 mm
Power Supply	115-230 V 5A-11A 50-60 Hz
Dimensions (without accesories)	400 x 230 x 440 mm
Weight	15 kgs. aprox. without accesories 30 kgs. aprox with accesories

Included accessories

The Soldmatic welding trainings system is packaged with the following accessories:

- Welding torches (SMAW, GMAW (FCAW) and GTAW)
- GTAW Filler Rod
- Five workpieces
- Welding Mask with augmented reality vision system
- Work stand allowing full 360 degree welding
- Teaching software
- Warranty – one years return to base parts and labour



Optional accessories

- Wheeled cabinet base c/w lockable doors and shelf for mounting work stand



- Wheeled flight case. Supplied as a two piece unit which can be clipped together for wheeling

