A new generation of AR welding training solutions

Augmented Training for Welding
New features

- The most realistic front panel similar to welding power sources.
- Real welding mask providing an ergonomic and comfortable feeling.
- User friendly and intuitive software interface.
- High camera resolution for AR enabling different welding positions, providing the closest to reality welding performance.
- Different selectable bead lengths.
- The AR system automatically adapts to existing lighting conditions.

Some facts...

+ **2,000** units in + **45** countries worldwide.
+ **400** governments and big industrial companies are using Soldamatic.

- *Increase the arc-on time by 3 to 5 times.*

- **56%** * real workshop time reduction.

- **68%** * average consumable savings.

- **400%** * Educate 4 times more students while keeping your existing lab infrastructure.

- **34%** * more certified trainees for IW than traditional methodology.

*Real case-study of a Soldamatic classroom in a Welding Centre*
**GREEN AND SAFE TECHNOLOGY**
Our technology helps reduce the CO2 emissions of welding programs and avoids physical risks for students.

**INTERNATIONAL TRAINING PROGRAMS**
Lessons and practices are compliant with specifications and guidelines of the International Welder Program by the IWS, the Sense Program by the AWS, German DVS Media...

**TEACHER SOFTWARE**
With our Teacher Software, all practices are tracked in the Virtual Classroom and assessed within the Analysis Module.

**REMOTE UPGRADING AND MAINTENANCE SYSTEM**
Free remote software updates, online technical seminars, remote technical and support in real-time worldwide.

**ENGAGING METHODOLOGY**
Use Augmented Reality and gamification to engage the next generation of industrial workers.

**COMPREHENSIVE WELDING TRAINING SYSTEM**
Most complete simulator based on leading edge and patented Augmented Reality (AR) welding training technology (following AWS and according to ASME Section IX, UNE-EN 287-1 and EN ISO 6947).
Augmented Training represents a new paradigm for vocational, technical and industrial training. An approach that combines innovative technology and education.

1. TEACHER SOFTWARE
   Training Management

2. E-SOLDAMATIC PLATFORM
   Theoretical and multimedia contents

3. STUDENTS SIMULATOR
   Augmented Reality (AR) practices

4. CONTENTS
   Compliant with IIW/EWF and AWS

5. ANALYSIS MODULE
   Evaluation and training enhancement

6. PRACTICE WORKSHOP
   Manufacturing Industry
Technical features

- Advanced AR Simulator with real components and instruments.

- Teacher Software (TS): Learning Management system (LMS) that integrates Welding Curriculum with simulated exercises and real lab practices.

- Analysis Module providing a student progress overview for better control of all welding training.

COMPONENTS

- Soldamatic power source
- e-Soldamatic platform
- Teacher Software
- Wifi Router
- Augmented Reality Mask
- Five workpieces (coupons):
  - T-angled plate
  - Overlapped plate
  - V-Butt plate
  - V-Butt Pipe 6”
  - T-angled plate to pipe 6”
- Real welding torches (by Abicor Binzel)
  - GTAW (TIG)
  - GMAW (MIG/MAG)
  - FCAW
  - SMAW (Electrode)
- AR electrode stick
- AR Filler Rod
- Welding gloves

COMPONENTS

- Soldamatic Server*
- Work Stand
- Secure Transport Flight Case
- International Training Programs (compliant with AWS, IIW)
- Base materials: stainless steel, aluminum
- Warranty extension available

* Necessary in training classrooms with 2 or more Soldamatic
Seabery is an international company pioneering the development of Augmented Reality (AR) for professional training.

Soldamatic is the first AR welding training solution worldwide. Together with a Learning Management System (LMS), augmented training allows you to train qualified welders in a more sustainable and efficient way.