



Worldwide Growing Trends

▶ INDUSTRY 4.0 IS ACCELERATING AUTOMATION:

Automated tasks in factories are expected to grow from 5% to 8% by 2028. Collaboration between people and machines requires increased skills for operators.

▶ GLOBAL SHORTAGE OF WELDERS:

Global demand for welders is increasing by 8% globally. Existing welders are retiring. Traditional Welding Training is inefficient and doesn't attract young people.

▶ ROBOTICS ARE THE BACKBONE OF AUTOMATION:

Since 2009, the number of **manufacturing robots** has more than doubled. Manufacturing Industrial Robots are expected to grow by **80% by 2026**.

ACCELERATION OF ROBOTICS
WILL UNLOCK
THE PRODUCTIVITY

ROBOTICS WELDING
TRAINING IS THE
OPPORTUNITY

Robotics Welding Training



THE MOST REALISTIC, COMPREHENSIVE, FLEXIBLE AND PROGRAMMABLE ROBOTICS WELDING TRAINING SOLUTION



FIRST OF ITS KIND WORKING WITH AUGMENTED REALITY



REAL COMPONENTS



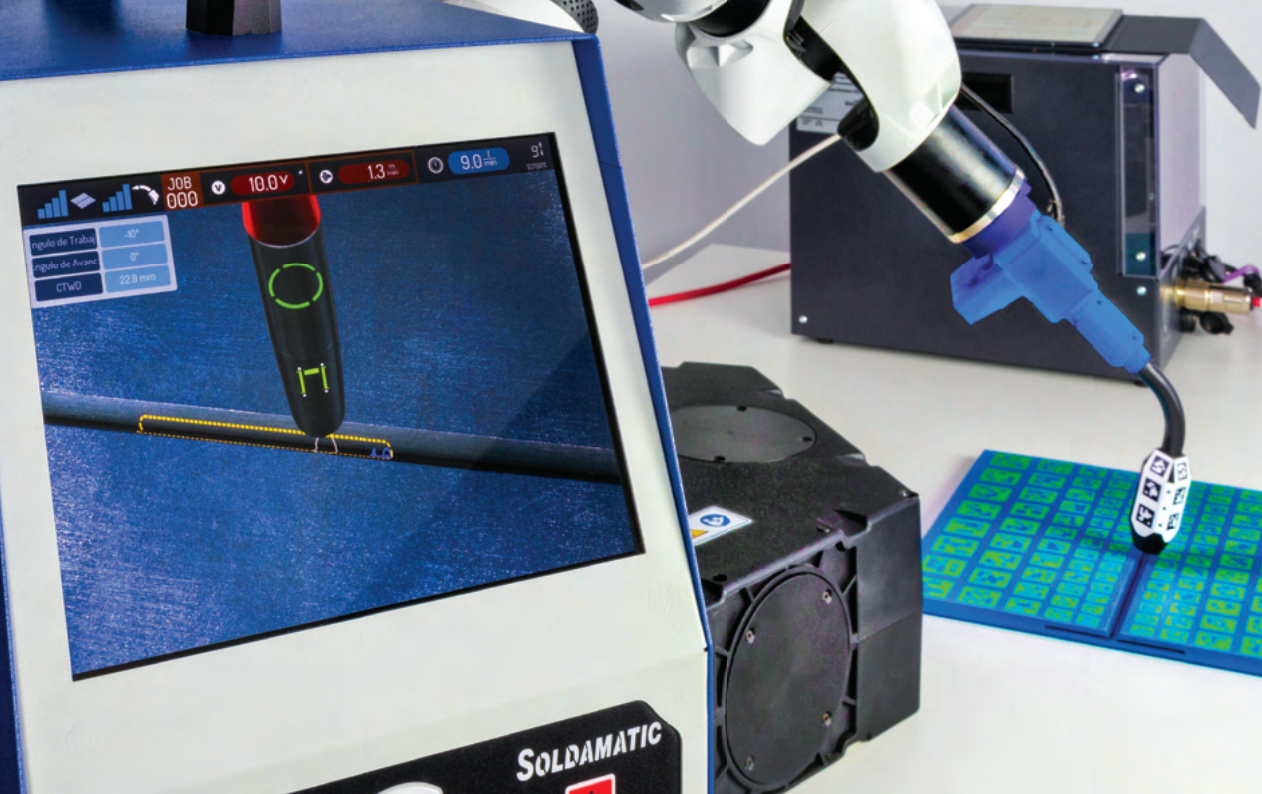
SUPPORTED BY A ROBOTICS WELDING CURRICULA

INNOVATE

State-of-the-art AR technology provides efficient and effective training with unlimited practice.

HyperReal-SIM

The most realistic training experience aside from actual welding.



Robotics Welding Training

SCALABLE

ADAPTABLE TO ANY EDUCATIONAL INSTITUTION

WELDING JOINTS FOR DIFFERENT LEVELS

FLEXIBLE CURRICULUM

REAL TIME INTERACTION

- Shared visibility of practices between trainer & students

COMPREHENSIVE

PROVEN CURRICULUM WITH HUNDREDS OF BUILT-IN PRACTICES

ON-PREMISE & REMOTE ACCESS

- Transparent and consistent experience. Access anytime, from anywhere.

FULLY COMPLETE SOLUTION

- Educational & industrial programming with Comau e.Do.



How it works



GMAW (MIG/MAG) WELDING PROCESS

CARBON STEEL WELDING MATERIAL

3, 6 & 10 MM THICKNESSES

SOLDAMATIC E-LEARNING (LMS)

CONTENTS:

- Introduction to Robotics Welding
- Augmented Training Methodology course for welding teachers

SMART ARC APPLICATION

**THE LATEST VERSION OF e.Do
INTEGRATED SW AND HMI
APPLICATION**

CONTENTS:

- Educational training path for introduction to Robotics welding
- 2 licences of "Use and Programming"



▶ **TRAIN THE TRAINER SUPPORT**

▶ **TECHNICAL SUPPORT**

▶ **1 YEAR WARRANTY (EXTENDABLE)**



MANUAL WELDING AND ROBOTICS WELDING

This section includes an introduction to the welding environment with a comparison between Manual and Robotics welding, highlighting the main benefits and applications of using robots i welding tasks.



ARC WELDING APPLIED TO ROBOTICS

This section focuses on Arc welding technologies and how they are applied to Robotics.

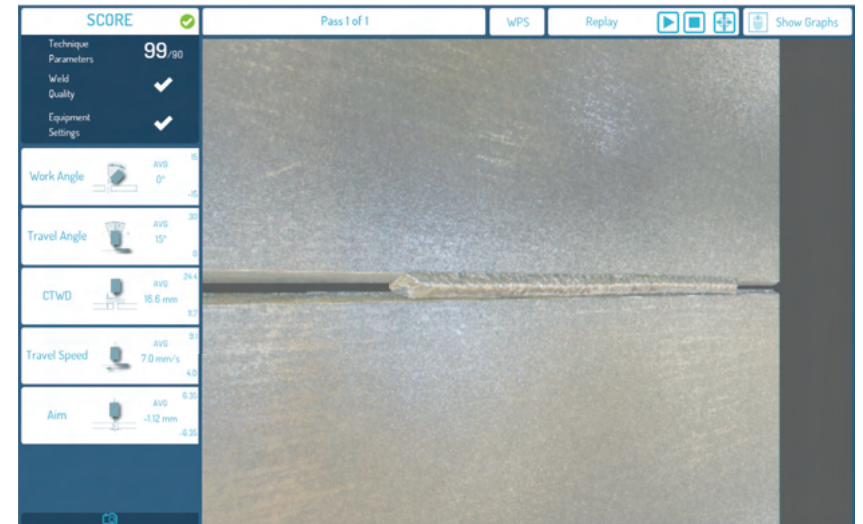
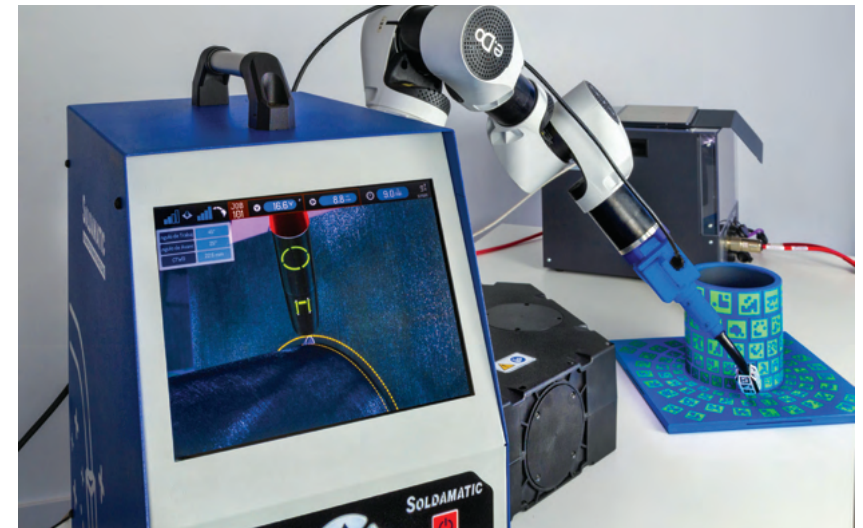


ROBOTICS SETUP + ROBOTICS WELDING

This section includes a guide procedure for hardware setup and test, a practical session where the ability to use a Robotic Arm and welding techniques are combined to solve several exercises with e.Do + Soldamatic.



ONLINE CERTIFICATION





robotics.comau.com

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