



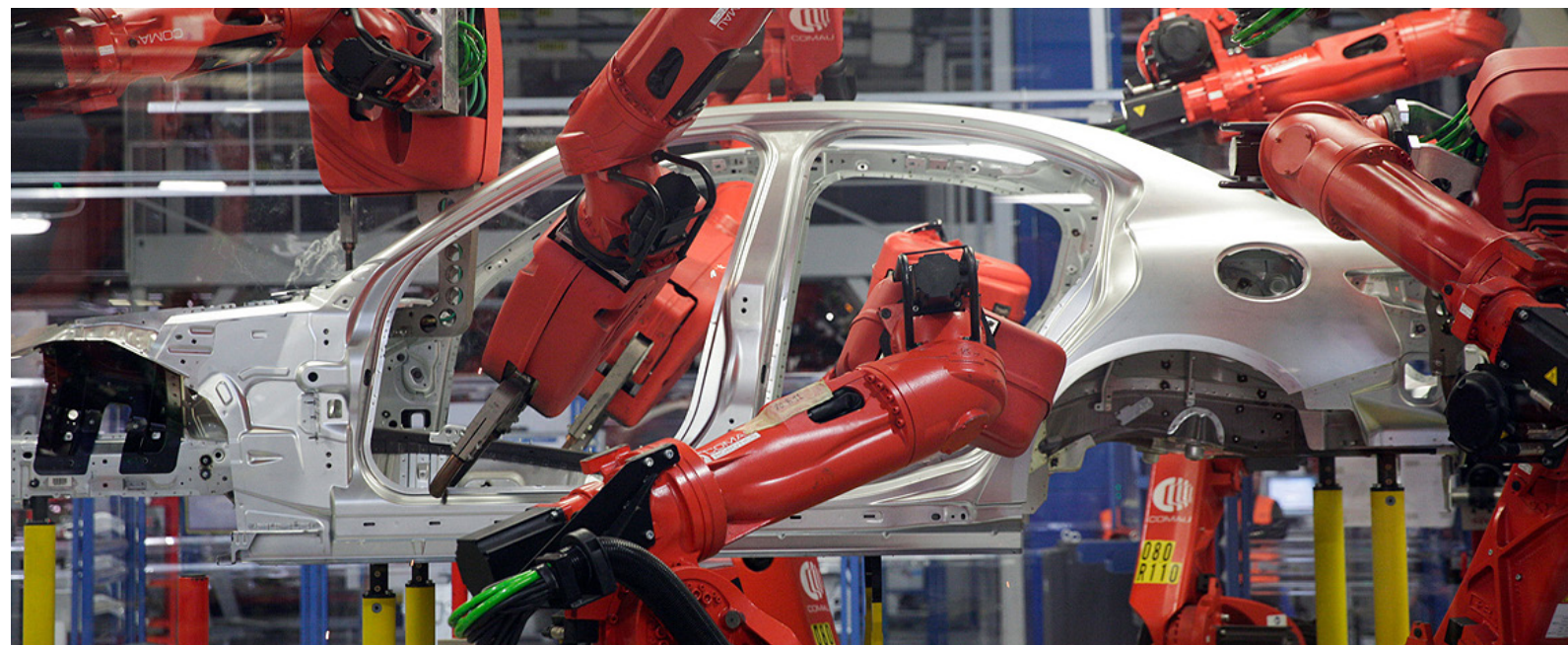
ROBOTICS WELDING TRAINING



01.

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

02.

Robotics Welding Training



 **SOLDAMATIC**[®]
AUGMENTED TRAINING FOR WELDING

e.Do

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

02. Robotics Welding Training

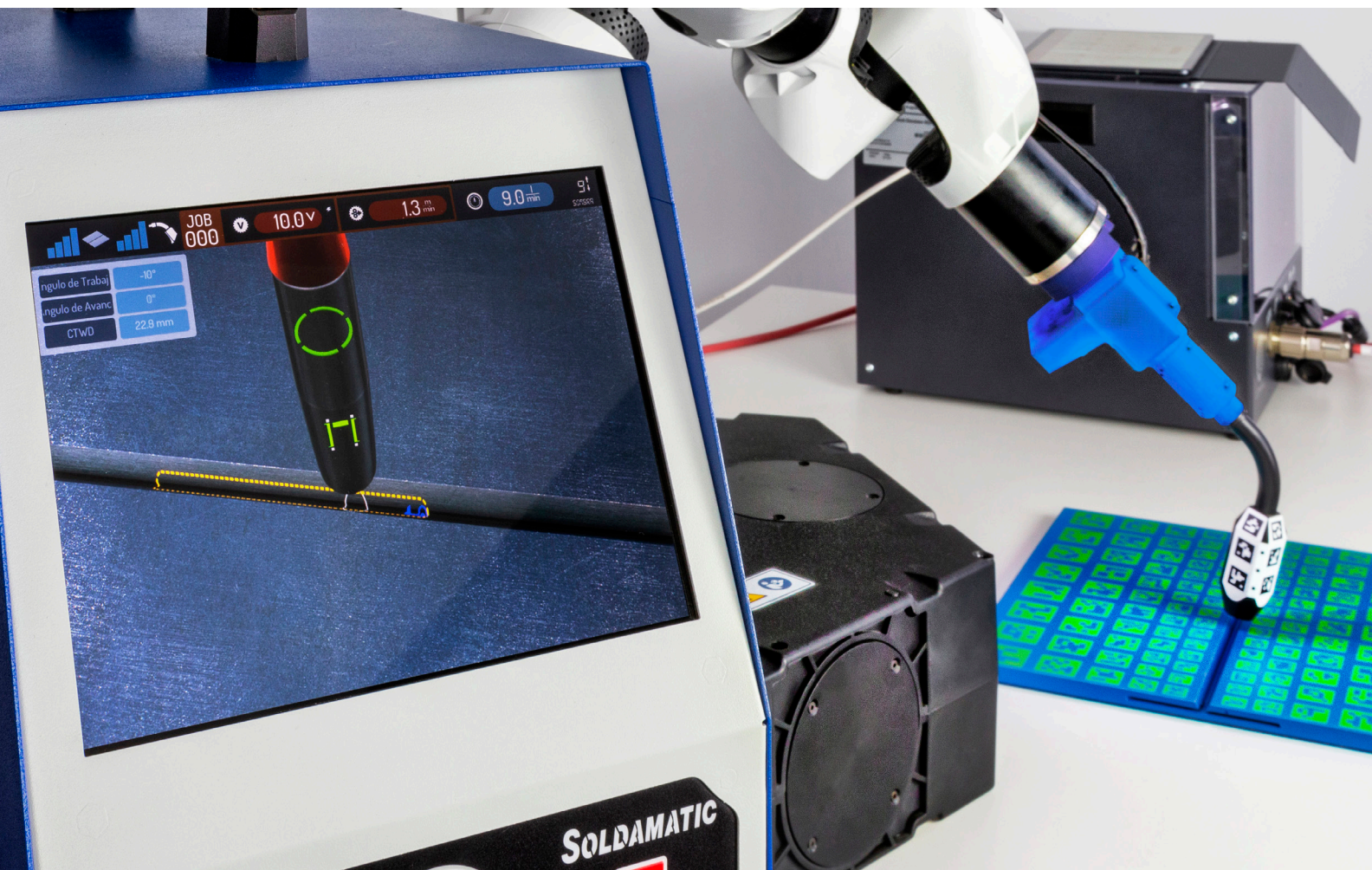


INNOVATE

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.



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.

03. How it works

HARDWARE



SOLDERMATIC IE
SIMULATOR

ROBOTICS
WELDING TORCH

EDUCATION
WELDING JOINTS

03. How it works



COMAU

GMAW (MIG/MAG) WELDING PROCESS

CARBON STEEL WELDING MATERIAL

3, 6 & 10 MM THICKNESSES

SOLDERMATIC 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)



e.Do

COMAU e.Do

TEACH PENDANT

DESK SIMULATOR



03.

How it works

EDUCATIONAL TRAINING PATH FOR INTRODUCTION TO ROBOTICS WELDING



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.

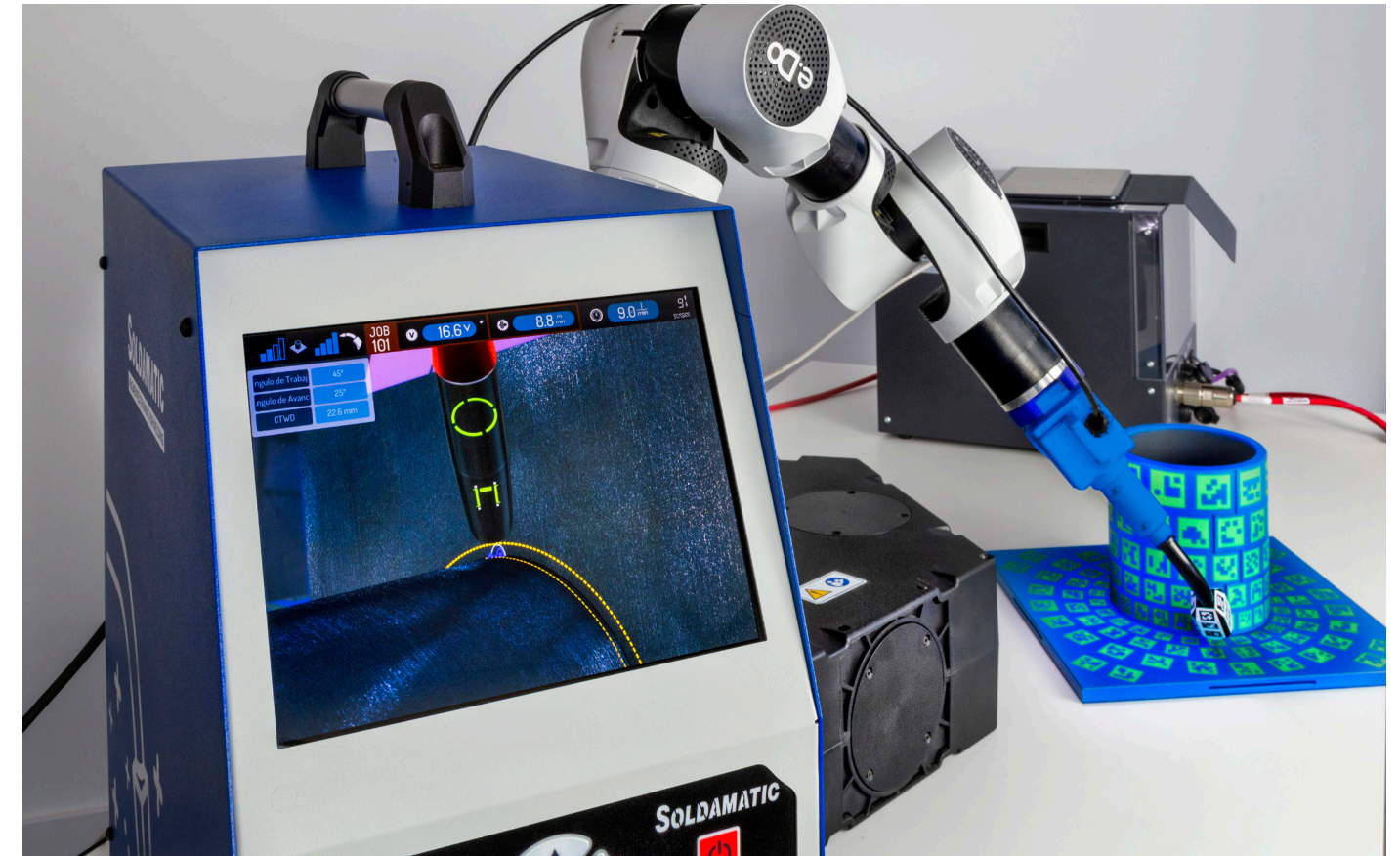


Robotics SetUp + Robotics Welding

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





LEADING IN
MODERN WELDING TRAINING

[SOLDAMATIC.COM](https://soldamatic.com)



LEADING IN
EDUCATIONAL ROBOTS

[EDO.CLOUD](https://edo.cloud)



COMAU