

# INDUSTRIAL ROBOTS


**REECO RE-2100 SOLDERING ROBOT (PREMIUM HOUSING)**

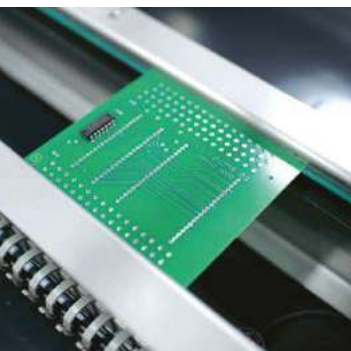

ROBOT AVAILABLE IN CLASSIC  
AND PREMIUM HOUSING OPTIONS

**DESCRIPTION**

- Automatic positioning of the formats/PCB
- Control over all process parameters
- Soldering wire sensor and wire jam detection sensor
- Soldering wire feeder for different wire thickness: 0.8 mm, 1.0 mm and 1.2 mm
- Precise stabilization and temperature control of the soldering tip +/- 2°C
- More than 45 types of soldering handle tips
- Inductively heated tip provides a much faster transfer of heat energy
- Automatic tip cleaning system during operation
- Allows for soldering of components to paths connected to large mass fields
- Professional soldering station that allows for 24/7 operation.
- Control of the entire device via Siemens PLC
- Modular, durable housing on a solid metal frame, compliant with the new EU directives
- Device equipped with edge transport built in compliance with IPC SMEMA guidelines and capable of communicating with other machines

**OPTIONS**

- Soldering with nitrogen shielding
- Camera for verifying reference points
- Color sensor for detection of lead/lead free spool
- Automatic optical inspection system





## REECO RE-1200 DOSING ROBOT (CLASSIC HOUSING)



ROBOT AVAILABLE IN CLASSIC  
AND PREMIUM HOUSING OPTIONS

### DESCRIPTION

- Automatic positioning of the formats/PCB
- Programmable mixture/liquid dosing cycle
- Programmable pressure and arm movement speed parameters
- Compatible with different types of dosing valves

### OPTIONS

- Dosage of mixtures of different densities through the use of optional dedicated valves
- Can be equipped with a 6-axis robot
- Camera for verifying reference points on PCB or format
- Video system for automatic optical inspection
- Possibility of equipping the unit with a cassette vapour filtration system



The only machine on the market equipped with edge  
transportation system  
(Both soldering and dosing robot)



## PRODUCT CONFIGURABLE ON INDIVIDUAL REQUEST

For more information and answers to any questions you may have, please contact our Technical and Sales Advisors.

Contact us:

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## ROBOT SPECIFICATIONS

WIDTH OF SUPPORTED APPLICATIONS	350 mm			
LENGTH OF SUPPORTED APPLICATIONS	420 mm			
WEIGHT	300 kg			
DIMENSIONS	Width (mm)	Height (mm)	Depth (mm)	
	1200	1830 / 2390	945	
ROBOT ARM SPECIFICATION				
	X axis	Y axis	Z axis	R axis
ARM LENGTH	350 mm	250 mm	150 mm	150 mm
AVAILABLE ANGLE OF ROTATION	+/-140°	+/-144°	-	+/-360°
SERVO POWER	200 W	150 W	50 W	100 W
TRANSMISSION TYPE	Strain wave	Strain wave	Strain wave	Strain wave
REPEATABILITY*	+/-0,01 mm	+/-0,01 mm	+/-0,01 mm	+/-0,004 °
MAX. SPEED	4,9 m/sec	4,9 m/sec	1,1 m/sec	1020 °/sec
MAX. LOAD	5 kg			
WEIGHT	22 kg			

## HOUSING OPTION



Light curtains are an additional option for the Reeco robot housing configuration.

Safety light curtains ensure a safe work environment in potentially high-risk areas.

Invisible safety field ensures protection in potentially hazardous areas. Disruption of the light beams results in immediate execution of a safe emergency stop.

Thanks to its slim design, the light curtains provide an ergonomic working environment for space-saving applications.

The curtains are integrated into the robot, which in case of human interference during robot work, leads to immediate shutdown of the robot.

