

# CELLULERobot

Performance and efficiency



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CLA offers its expertise in robotics to optimize turnkey solutions but also a whole range of services



**CLA automation solutions for the handling, inspection and production of micro technical parts are flexible, reliable and expandable because they are based on quality components and benefit from software that guarantees flexibility and traceability**

<b>One stop shop</b>	<b>Multi-reference management</b>	<b>RFID Technology</b>	<b>Flexible standard platform</b>
<b>Supervision and interconnection of data using OMSviewer</b>	<b>Complies with standard 2006/42/EC</b>	<b>Industrial image processing</b>	<b>Traceability guaranteed by OMS software</b>
<b>Competence Center for Mitsubishi Robots</b>	<b>Flexible or vibratory bowl feeding</b>		

The CLA Robot Cell is particularly suitable for loading and unloading machining centres, and for palletising, assembly and measuring stations. It meets the requirements of the medical sector and of EU directive 2006/42/EC. It can work independently, be coupled to a machine or integrated into an SMS transport system. CLA has honed its know-how in the field of robotics, focusing not only on turnkey solutions but also a whole range of associated services

### TECHNICAL FEATURES

CLA offers solutions based on articulated, SCARA or dual SCARA robots with grippers designed specifically for each application. The gripper can be single or multiple, with pneumatic, electric, vacuum or other power.

Components are fed in by various methods. There are three systems available: bulk (using a flexible supply system), by drawers (for managing each packaging type independently) and by pallets (for greater autonomy).

A machine vision system can be installed for part recognition, location and measurement. By using the robot and the machine vision system in combination, parts can be handled, detected and positioned accurately and without injury. The machine vision system incorporates automatic calibration, making it easy to synchronise with the robot.

The CLA Robot Cell can be fitted with a grinding and cleaning system to suit different applications. The device can also be integrated into and communicate with other commercially available equipment, using standard communication protocols.

### SAFETY

Personal and process safety is guaranteed. CLA Robot Cells comply with EU directive 2006/42/EC.

### SIMULATIONS

Implementing robotic automation solutions involves a research phase with simulation studies of the CLA Robot Cell's operation; this helps to achieve the target throughput.

### CENTRE OF EXPERTISE

CLA is a centre of expertise for Mitsubishi robots throughout Switzerland. CLA staff receive extensive training on Mitsubishi robotic products, and can therefore provide technical support, training and repairs as required by customers using Mitsubishi robots.



For companies in the watchmaking, medical and micro engineering fields, CLA is a supplier of solutions for complex part assembly and advanced micro-couple measurement because it produces Swiss made, flexible, scalable and connected equipment that ensures complete traceability of production data.

More info on our website [www.cla.ch](http://www.cla.ch)

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