

SWISS FLEXIBLE AUTOMATION SOLUTION



available in
CELL version

The pick & place production machine for micro-technical parts

DESCRIPTION

The **μ-parts pick & placer** is a tabletop flexible feeding and palletizing workstation which can handle tedious and low value-added tasks such as palletizing, sorting and assembly of small components.

Thanks to its high flexibility, the changes between different types of components can be easily and quickly made. In addition, the configuration and selection of production processes can be carried out using an intuitive and easy-to-use man-machine interface.

ADVANTAGES



Turnkey

The equipment is designed to easily adapt to the parts.



Easy to use

The operability of the equipment is optimised thanks, in particular, to the integrated flexible feeding systems.



Flexibility

The machine can handle parts of different geometries, from 0.1 to 5 mm.



Performance

The efficient solution is fast and accurate.



Reliability

Compact, flexible machine design, based on proven standard elements.



Handling

Extremely gentle part handling thanks to a unique 3-axis vibration technology.

APPLICATION EXAMPLES

1 Palettizing

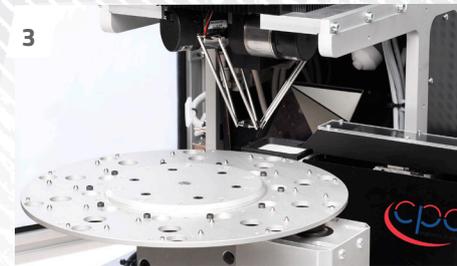
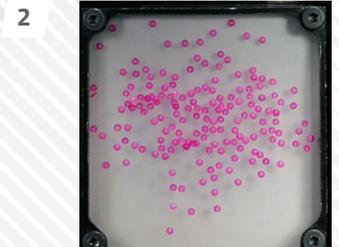
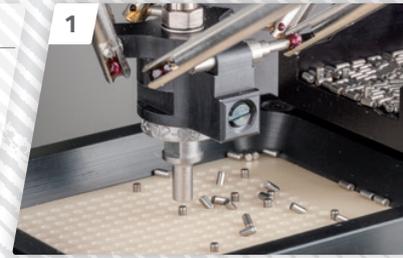
Handling parts (finished or unfinished) while ensuring precise placement without damage (markers, screws, axis)

2 Placement in tubes

Stacking parts of various shapes and materials inside cylindrical structures.

3 Multiple palletizing

The work area can incorporate a turntable with a capacity of 10 standard trays (50 x 50 mm)



TECHNICAL FEATURES

Cycle time	Between 0.5 and 2 seconds
Robot repeatability	±3.0 µm (3σ)
Cell dimension	860 x 880 x 710
Power supply	230 VAC / 10 A / 50 Hz
Pneumatic air supply	6 bar
Weight	175 kg
User interface	Intuitive, user-friendly and touchscreen
Component position and orientation recognition (x, y, pitch/toss)	
Fast loading of work orders	
Parameters configurable for every component	

TECHNICAL DRAWING

