Flexible µ-parts pick&placer

Flexible µ-parts

engineered by **cpa** engineers in motion

SWISS FLEXIBLE AUTOMATION SOLUTION

INDUSTRY 4.0
R E A D Y

Modular production machine for micro-technical parts

DESCRIPTION

Designed for palletizing and small component assembly operations, the **Flexible microparts pick & placer** machine manipulates parts of different materials and simple to complex geometries.

The equipment offers great flexibility. It can be supplemented with various standard peripherals such as flexible feeding units, vision systems, servo presses, and many others, in order to easily adapt to current and future market demands.

ADVANTAGES

Turnkey
Equipment designed to easily adapt to components.

Modularity
Standard modules providing additional evolution options.

Easy to use
Optimized equipment operability thanks to integrated flexible feeding in particular.

Flexibility
Handling of parts of different geometries, from 0.1 to 50 mm.

Performance
Speed and accuracy are combined to offer an efficient solution.

Reliability
Compact and flexible machine, designed from standard elements of the CP Series platform.

Traceability
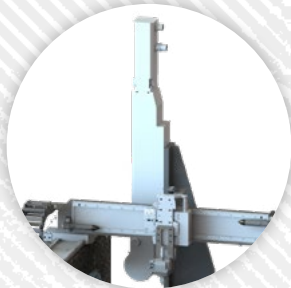Communication with a MES or CAPM system is possible.

Service
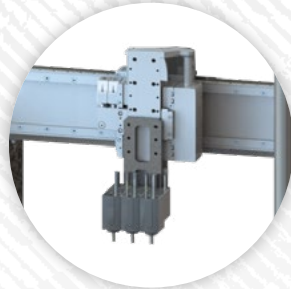Remote assistance for diagnostics and intervention.
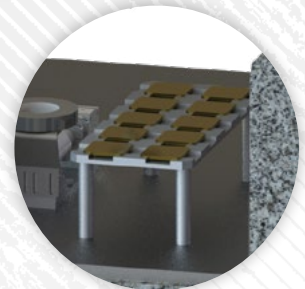
Intelligent vision systems

Servo press and rotary tool charger

AND MANY MORE ...

Flexible feeding for multiple components

Pick & place or collect & place working heads

Tray output (Fleury, Stoco, JEDEC, etc.), tubes, specific fixture

TECHNICAL FEATURES

Cell dimensions	1000 x 1100 x 2250 mm (L x D x H)
Power supply	3 x 400 VAC/25 A/50 Hz
Pneumatic air supply	6 bar
Weight	750 kg
User interface	intuitive, user-friendly software with 21'' touchscreen
Modules SG-3, SGS-3 (XYZ) Modules SG-4, SGS-4 (XYZθ)	granite support & motorised linear axes XYZ work zone: 460 x 600 x 80 mm resolution, XYZ axes: 1 µm repeatability, XYZ axes: ± 2 µm absolute precision, XYZ: ± 8 µm
Modules GOE-4, GOES-4 (XY_1Y_2Z) Modules GOE-5, GOES-5 ($XY_1Y_2Z\theta$)	granite support & motorised linear axes XYZ work zone: 460 x 600 x 80 mm resolution axes XYZ: 1 µm repeatability axes XYZ: ± 2 µm absolute precision XY: ± 2 µm; Z: ± 8 µm
Standard peripherals	asycubes 50, 80, 240 (extra hopper) localisation and measurement vision systems servo press and rotary tool charger pick & place or collect & place working heads support or tray storage (Fleury, Stoco, JEDEC, etc.)