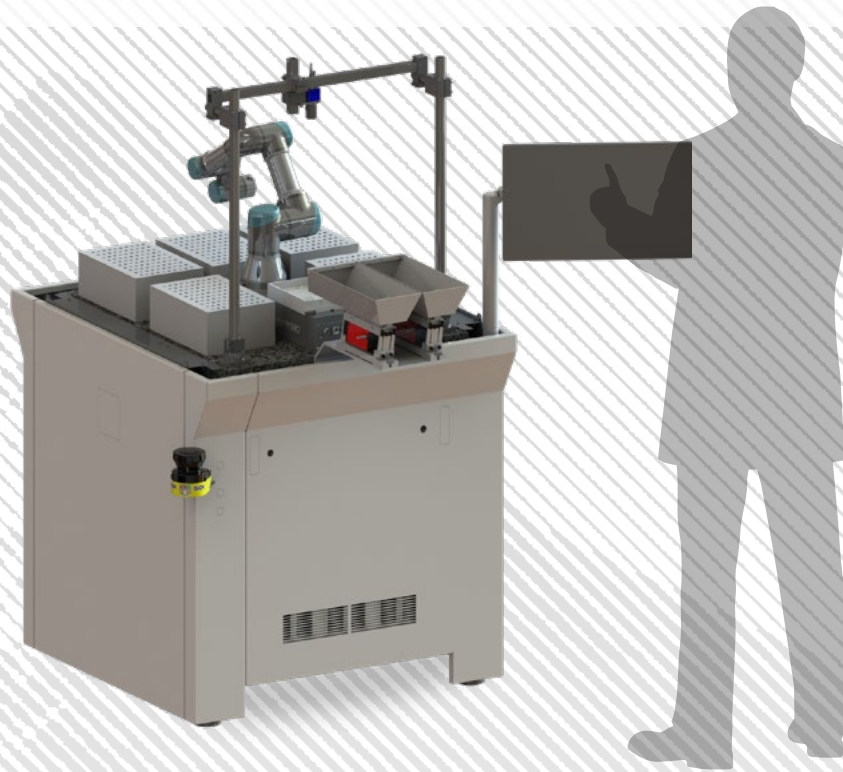


SWISS FLEXIBLE AUTOMATION SOLUTION



Parts palletizing machine with a collaborative robot

DESCRIPTION

The **Collaborative Flexible feeder** is a turnkey solution for quick, reliable and precise distribution of all types of components supplied in bulk. The bulk parts are separated, oriented, and positioned by the collaborative robot in the customer's container of choice (tray, pallet, tube, etc.). Thanks to a smart

human detection system, the collaborative robot moves in complete safety without any physical barriers. The machine varies the speed of the robot until it stops, if needed, to ensure the safety of operators. The CPAutomation control software renders, programming and configuration completely intuitive.

ADVANTAGES



Turnkey

Equipment designed to easily adapt to different components.



Easy to use

Equipment is very simple to operate, thanks to the intuitive HMI from CPAutomation.



Flexibility

Handling of parts of different geometries, from 1 to 60 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.



Service

Remote assistance for diagnostics and intervention.

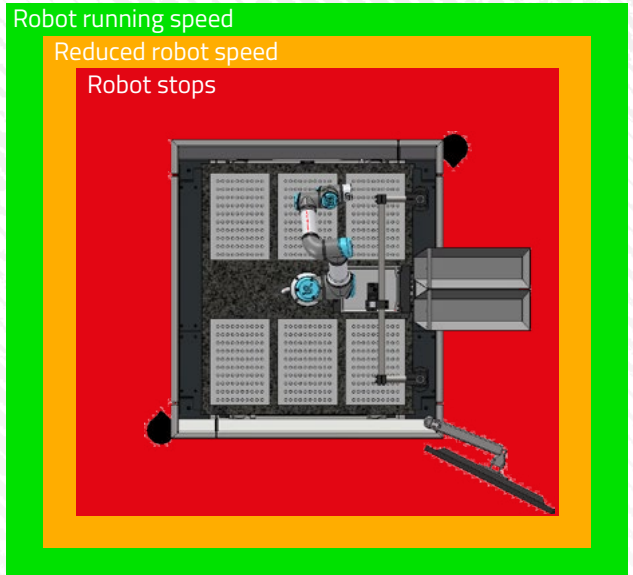
APPLICATION EXAMPLES

1 Palletization of parts



SAFETY CONCEPT

In the collaborative workspace, the robot constantly avoids the operator by maintaining a predetermined speed and separation distance. This is to prevent collisions between the robot and the operator. This control is done in real time.



TECHNICAL FEATURES

| | |
|----------------------|--|
| Cell dimensions | 1000 x 1100 x 1800 mm (L x D x H) |
| Power supply | 3 x 400 VAC/25 A/50 Hz |
| Pneumatic air supply | 6 bar |
| Weight | approx. 500 kg |
| User interface | Intuitive, user-friendly software with 21" touchscreen |
| Positioning | via 6-axis anthropomorphic collaborative robot |
| Parts infeed | bulk |
| Parts outfeed | pallets, tubes, strips, etc. |
| Dimension | 1 - 60 mm |