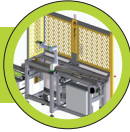


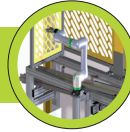
Die wirtschaftliche Lösung für automatisierten Materialfluss mit Bearbeitung durch eine Dritt-Maschine auf Basis moderner AMR-Technologie, kollaborativer Robotik und intelligenter Sensorik.

Cell



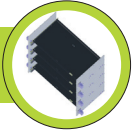
Highly flexible, mobile, and easy-to-position collaborative robot cell. The gravity roller conveyor can be loaded manually or with an AMR, and thanks to its modular design, various KLT sizes can be handled. The front of the cell is closed off by a partition and secured at the rear by a contactless protective device.

Robot

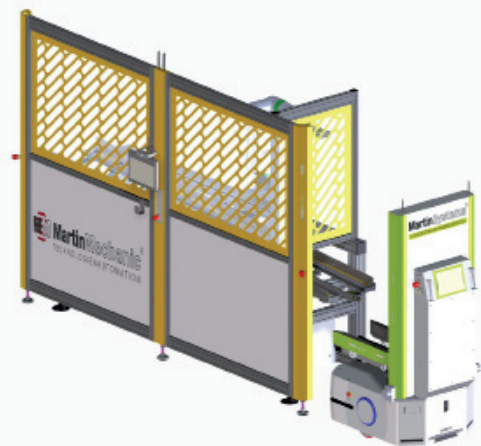
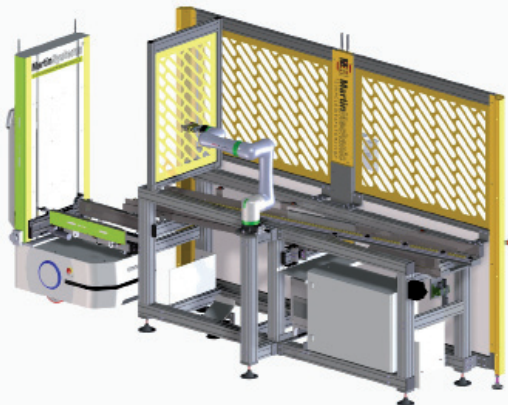


The collaborative robot is centrally located and mounted at an optimal height to perfectly connect a wide variety of downstream processes. Thanks to its 6 axes and maximum payload of 10 kg, even complex handling tasks are possible.

Storage



Thanks to the gravity roller conveyor, the cell offers space for 5 (600x400mm) or 10 (300x400mm) trays/KLTs as parts storage. Loading and unloading is extremely flexible, either manually or via AMR.



Cell safety concept



In order to create a mobile and flexible cell, the cell's security concept is divided into front and rear sections. The front of the cell is protected from intrusion by a high partition. The entire rear area is monitored by a contactless protective device, eliminating the need for a fence.

HMI



All functions can be selected on the generously designed 7" touch panel. The sophisticated machine control supports the setup of new variants with a wizard. Only the workpiece data is entered. The control takes care of the rest itself. Operating mode and variant selection, error messages, and system information are standard.

Options



For individual requirements, flexibility is already included in the standard. The number of drawers, grippers, robot type, and interface can be freely chosen. Additional functions such as the regripping and blow-off station are already integrated into the control system. Only the hardware needs to be expanded.

Technical Specifications



Control.

OMRON, FANUC

Interface.

ProfiNet, ProfiNet/ProfiSafe, Profibus, I/O, I/O-Link, Ethernet

Operations (HMI).

7" Touch

Roboter.

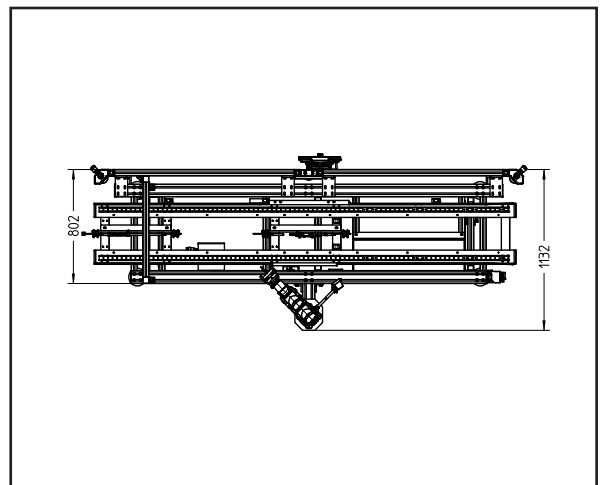
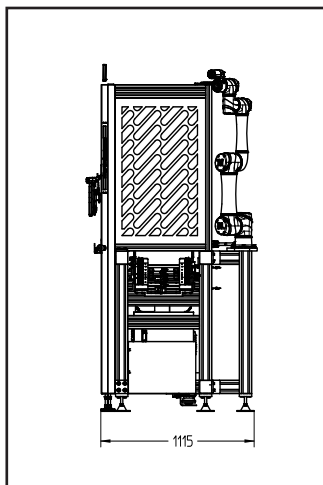
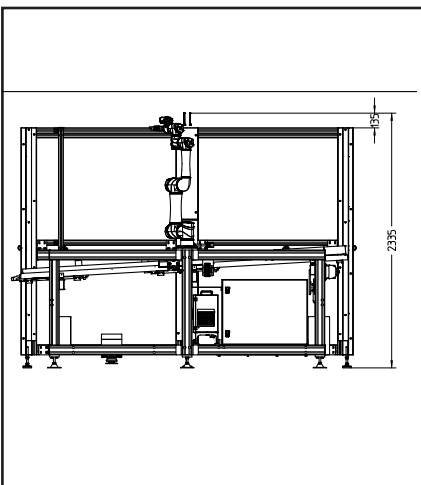
OMRON, FANUC

Gripper systems.

Parallel double gripper, three-finger double gripper, vacuum gripper

Variants

Payload Robot max.	Range Robot max.	Dimensions Cell (L x W x H)	Weight
6	700 mm	3.000 mm x 700 mm x 2.300 mm	approx. 350 kg
10	1249 mm	3.000 mm x 700 mm x 2.300 mm	approx. 350 kg
20	1418 mm	3.000 mm x 700 mm x 2.300 mm	approx. 350 kg



All information may be rounded, may vary, and is provided without guarantee. Subject to change.