

The compact loader for efficient production of small batches and series parts.

## Cell



Simple and compact RoboCube automation cell with a footprint of 1,1m<sup>2</sup> and capacity for small extensions. The cell front is open and faces the processing machine. The side walls are adapted to the contour of the processing machine and complete the protected area.

## Robot



The robot is positioned centrally and at an optimum height in the automation cell to ensure that it can reach far into the processing machine. With its 6 axes and max. 10kg payload, even complex handling tasks are possible.

## Storage



The parts storage consists of two receptacles for trays/SIC's with max. dimensions 600x400mm. Pallet exchange takes place via a safety door with access permission at the rear of the cell.



## QC



SPC drawer for quality assurance. With a request button, finished parts can be removed during ongoing machine operation and checked by QC.

## HMI



All functions can be accessed on the generously designed 7" touch panel. The sophisticated machine control supports the setup of new variants with a wizard. Only the workpiece data has to be entered. The control system itself handles the remaining tasks. Operating mode- and variant selection, error messages and system information are included as standard.

## Options



For individual requirements, the flexibility is already included in the standard. The number of grippers, robot type and interface may be configured as desired. Additional functions such as a gripping and blow-off station are already integrated in the control system. Only the hardware needs to be extended.

## Technical Data



### Control.

Siemens S7-1500 PLC

### Interface.

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

### Operation (HMI).

Siemens 7" Touch

### Robot.

Fanuc

### Gripper Systems.

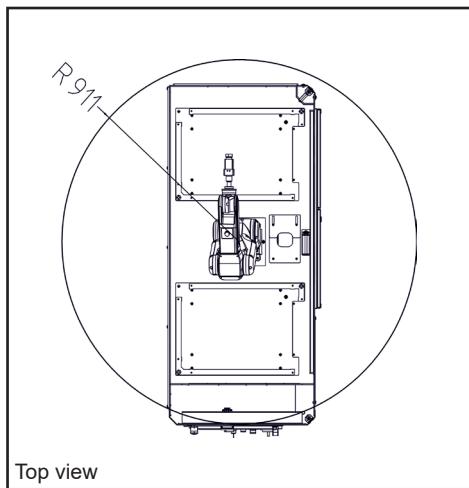
Parallel double gripper, three-finger double gripper, vacuum gripper

## Easy - Variants

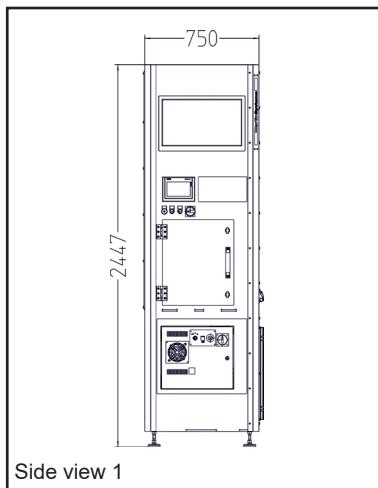
| Description | Payload Robot max. | Range Robot max. | Dimensions Cell (L x W x H)  | Weight Cell  |
|-------------|--------------------|------------------|------------------------------|--------------|
| Easy 60     | 6 kg               | ca. 900 mm       | 1.500 mm x 750 mm x 2.450 mm | ca. 1.000 kg |
| Easy 120    | 12 kg              | ca. 1.400 mm     | 1.500 mm x 750 mm x 2.450 mm | ca. 1.200 kg |

## Part Storage - Variants

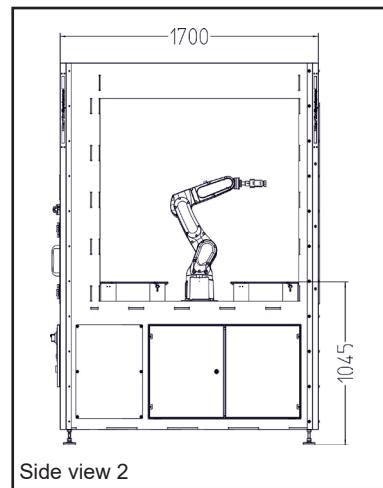
| Description | Dimensions KLT/Tray | max. Load KLT/Tray | Handling Loading Side | Handling Machinery Side |
|-------------|---------------------|--------------------|-----------------------|-------------------------|
| Easy 60     | 600 mm x 400 mm     | 60 kg              | manual                | Robot                   |
| Easy 120    | 600 mm x 400 mm     | 60 kg              | manual                | Robot                   |



Top view



Side view 1



Side view 2

All data may be rounded, may vary and are without guarantee. Subject to change without notice.