

# MILLSTACKER COMPACT 12

- ✓ For milling
- ✓ High capacity for workpieces up to 200 mm
- ✓ Smallest footprint
- ✓ Easily moved from one CNC machine to another
- ✓ Set up in less than 5 minutes
- ✓ Preparing new batch while robot is running



## FEATURES

### System

Rigid industrial construction
Rotating loading table
Full enclosure and protection
Movable
Placed on 3-point self-centering anchors
Fanuc 6-axis robot arm
Workpiece side-gripping station
Workpiece turnover station for two-sided machining
Status light
Standard robot-machine interface for every CNC machine

### HALTER SmartControl

Intuitive and graphical programming in 12 steps
Touch screen
Free choice of pre-installed language
Input can be entered in inches or mm
Software analysis for machine utilization
Automatic program storage
Max. number of CNC machines to connect with

✓
✓
✓
by pallet truck
✓
12 kg
Option
Option
Option
✓

### HALTER SmartControl standard functionalities

Positioning workpiece in machine vise with soft push function
Workpiece regripping for accurate positioning
Inside and outside gripping
Adjusting airflow distance
Working with spindle orientation of the CNC machine
Eccentric loading and unloading
Robot park positioning button

✓
✓
✓
✓
✓
✓
✓

### HALTER SmartControl enables the following optional functionalities

Workpiece turnover function for two-sided machining	Option
Unloading workpiece on pallet	Option
Unloading workpiece on external fixed position, e.g. conveyor belt	Option
Unloading of residual material	Option
Cleaning of workpiece outside the CNC machine	Option
Positioning workpiece on measuring station	Option
Removal of rejected workpieces	Option
Workpiece side-gripping	Option
Customer-specific functionalities	On request

# MILLSTACKER COMPACT 12

## Grippers

2-finger gripper for rectangular workpieces	✓
Separate grippers for raw and machined workpieces	✓
Airflow system	✓
Workpiece detection system by open/close message	✓
Quickly adjustable gripper fingers	✓
Workpiece-specific gripper fingers	Option
Pressure sensor on the robot arm monitors air pressure	✓

## Safety

In-machine-space function	✓
Fanuc DCS area in combination with the Sick floor scanner	✓
Sliding door provided with safety sensors	✓
Standard safety fence between CNC machine and the Halter	✓
Autom. servo-driven door opener with integrated safety mechanism	Option
Closed safety circuit	✓

## Input

Voltage	400 V
Peak consumption	16 A
Compressed air pressure	6,5 bar

## Dimensions

Length	1315 mm
Width	1200 mm
Height	2010 mm
Total weight	950kg

## Capacity

Minimum workpiece (L x W)	40 mm x 40 mm
Maximum square workpiece (L x W)	145 mm x 145 mm
Maximum rectangle workpiece (L x W)	40 mm x 200 mm
Height of workpiece (min - max)	10 mm - 175 mm
Maximum load capacity robot arm	12 kg
Maximum total weight on rotating table	660 kg
Maximum stacking height	375 mm
Number of stacking stations (1 empty)	12
Maximum weight per station	60 kg
Max. number of workpieces at workpiece height of 10 mm	407
Max. number of workpieces at workpiece height of 20 mm	198
Max. number of workpieces at workpiece height of 50 mm	77
Max. number of workpieces at workpiece height of 70 mm	55
Max. number of workpieces at workpiece height of 85 mm	44
Max. number of workpieces at workpiece height of 110 mm	33
Max. number of workpieces at workpiece height of 150 mm	22

## BENEFITS

The HALTER LoadAssistant offers enormous advantages for your business. The experience from the users of the HALTER LoadAssistant shows us that this investment can be repaid very quickly (6-18 months).

- ✓ You realize extra output because the actual spindle hours no longer exclusively depend on the regular working hours. Also within regular working hours you realize more output, because the robot has no breaks or downtime.
- ✓ You can better respond to small or unexpected orders, because of the quick set-up time of the CNC robot cell and because it can also be run outside regular working hours.
- ✓ Decrease of hourly production costs, because the labor costs of an operator are 5 to 8 times higher than the depreciation costs of the HALTER LoadAssistant robot cell.

## WORKPIECE-SPECIFIC SOLUTIONS

Halter's application engineering team can design grid plates and special gripper fingers for your specific workpieces.



**HALTER**  
CNC AUTOMATION

T 800-314-8261 • [info@haltercncrobotics.com](mailto:info@haltercncrobotics.com)  
[www.haltercncrobotics.com](http://www.haltercncrobotics.com)