

# TURNSTACKER COMPACT 12

- ✓ For turning
- ✓ High capacity for diameters up to 6.30"
- ✓ 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	by pallet truck
Placed on 3-point self-centering anchors	✓
Fanuc 6-axis robot arm	26.45 lbs
Workpiece turnover station for two-sided machining	Option
Status light	Option
Standard robot-machine interface for every CNC machine	✓

### HALTER SmartControl

Intuitive and graphical programming in 12 steps	✓
Touch screen	15 inch
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	4

### HALTER SmartControl standard functionalities

Unload-only function in combination with bar feeder	✓
Inside and outside gripping	✓
Workpiece loading in chuck with or without pressure star	✓
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
Collecting a workpiece from a revolver tool	Option
Cleaning of workpiece outside the CNC machine	Option
Positioning workpiece on measuring station	Option
Removal of rejected workpieces	Option
Workpiece side-gripping	Option
Radial positioning of the workpiece in the chuck	Option
Customer-specific functionalities	On request

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## Grippers

3-finger gripper for round 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	208 V
Peak consumption	30 A
Compressed air pressure	94.3 psi

## Dimensions

Length	51.77"
Width	47.24"
Height	79.13"
Total weight	2094 lbs

## Capacity

Workpiece diameter (min - max)	1.69" - 6.30"
Height of workpiece (min - max)	0.39" - 6.88"
Maximum load capacity robot arm	26.45 lbs
Maximum total weight on rotating table	1455 lbs
Maximum stacking height	13.77"
Number of stacking stations (1 empty)	12
Maximum weight per station	132.3 lbs
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

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