

**Committed to performance.
Dedicated to deliver.**

HALTER

TURNSTACKER COMPACT 12

- ✓ For turning
- ✓ High capacity for diameters up to 160 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 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

HALTER SmartControl standard functionalities		
✓	Unload-only function in combination with bar feeder	✓
✓	Inside and outside gripping	✓
✓	Workpiece loading in chuck with or without	
by pallet truck	pressure star	✓
✓	Adjusting airflow distance	✓
12 kg	Working with spindle orientation of the CNC machine	✓
Option	Eccentric loading and unloading	✓
Option	Robot park positioning button	✓
✓	HALTER SmartControl enables the following optional functionalities	
	Workpiece turnover function for two-sided	
	machining	Option
✓	Unloading workpiece on pallet	Option
15 inch	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
4	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	400 V
Peak consumption	16 A
Compressed air pressure	6,5 bar

Dimensions

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

Capacity

Workpiece diameter (min - max)	43 mm - 160 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 +31 88 015 74 00 • info@haltercnc.com

www.haltercncautomation.com