

Committed to performance.  
Dedicated to deliver.

# TURNSTACKER BIG 35/70

- ✓ For turning
- ✓ For loading heavy workpieces
- ✓ High capacity for diameters up to 300 mm
- ✓ 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  
Drip tray for leaking coolant  
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 5 t forklift  
truck, crane  
✓  
35 kg / 70 kg  
✓  
Option  
Option  
✓  
✓  
21 inch  
✓  
✓  
✓  
✓  
✓  
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  
Unloading workpiece on pallet  
Unloading workpiece on external fixed position,  
e.g. conveyor belt  
Unloading of residual material  
Collecting a workpiece from a revolver tool  
Cleaning of workpiece outside the CNC machine  
Positioning workpiece on measuring station  
Removal of rejected workpieces  
Workpiece side-gripping  
Radial positioning of the workpiece in the chuck  
Customer-specific functionalities

Option  
Option  
Option  
Option  
Option  
Option  
Option  
Option  
Option  
On request



# TURNSTACKER BIG 35/70

## Grippers

3-finger gripper for round workpieces	✓
Separate grippers for raw and machined workpieces	✓
Airblow 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	✓
Autom. servo-driven door opener with integrated safety mechanism	Option
Closed safety circuit	✓

## Input

Voltage	400 V
Peak consumption	16 A / 32 A
Compressed air pressure	6,5 bar

## Dimensions

Length	2800 mm
Width	2250 mm
Height	2220 mm
Total weight	2490 kg / 2800 kg

## Capacity

Workpiece diameter (min - max)	43 mm - 300 mm
Height of workpiece (min - max)	10 mm - 225 mm
Maximum load capacity robot arm	35 kg / 70 kg
Maximum total weight on rotating table	2750 kg
Maximum stacking height	450 mm
Number of stacking stations (1 empty)	12
Maximum weight per station	250 kg
Max. number of workpieces at workpiece height of 10 mm	495
Max. number of workpieces at workpiece height of 20 mm	242
Max. number of workpieces at workpiece height of 50 mm	99
Max. number of workpieces at workpiece height of 70 mm	66
Max. number of workpieces at workpiece height of 85 mm	55
Max. number of workpieces at workpiece height of 110 mm	44
Max. number of workpieces at workpiece height of 150 mm	33
Max. number of workpieces at workpiece height of 225 mm	22

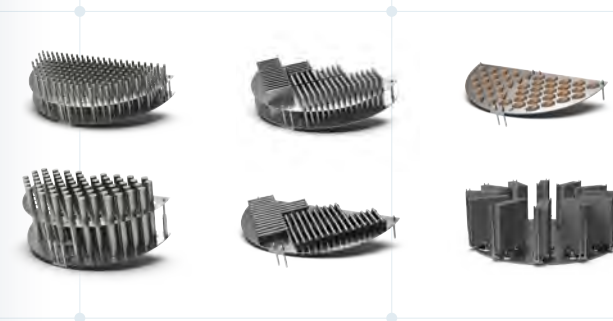
## BENEFITS

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.



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