

UNIVERSAL COMPACT 12

- ✓ For turning and milling
- ✓ Long shafts option
- ✓ 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

igid industrial construction	✓
otating loading table	√
ull enclosure and protection	✓
1ovable	by pallet truck
laced on 3-point self-centering anchors	✓
anuc 6-axis robot arm	12 kg
rip tray for leaking coolant	✓
Vorkpiece side-gripping station	Option
Vorkpiece turn-around station for two-sided	
nachining	Option
tatus light	Option
tandard robot-machine interface for every	
NC machine	✓
IALTER SmartControl	
ntuitive and graphical programming in 12 steps	
ouch screen	15 inch
ree choice of pre-installed language	_
nput can be entered in inches or mm	✓
oftware analysis for machine utilization	✓
utomatic program storage	✓

HALTER SmartControl standard functionalities

Positioning workpiece in machine vise with	
soft push function	✓
Workpiece turn-around function for two-sided machining	✓
Workpiece regripping for accurate positioning	✓
Unload-only function in combination with bar feeder	✓
Inside and outside gripping	✓
Workpiece loading in chuck with or without pressure star	✓
Adjusting airblow distance	✓
Working with spindle orientation of the CNC machine	✓
Eccentric loading and unloading	✓
Robot park positioning button	✓

HALTER SmartControl enables the following optional functionalities

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

UNIVERSAL COMPACT 12

Grinners

Option
Option
Option
✓
✓
✓
Option
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Option
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Option
✓
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Dimensions

Length	1350 mm
Width	1250 mm
Height	2030 mm
Total weight	950 kg

Capacity

Capacity	
Workpiece diameter (min-max)	10 mm - 135 mm
Minimum workpiece (L x W)	10 mm x 10 mm
Maximum workpiece (L x W)	135 mm x 135 mm
Maximum height of workpiece	150 mm
Maximum load capacity robot arm	12 kg
Maximum total weight on rotating table	500 kg
Max. number of workpieces for grid plate 10-35 mm	166
Max. number of workpieces for grid plate 23-55 mm	92
Max. number of workpieces for grid plate 23-85 mm	44
Max. number of workpieces for grid plate 23-115 mm	32
Max. number of workpieces for grid plate 23-135 mm	18
Workpiece-specific grid plates	Option

Capacity for long shafts

10 mm - 40 mm
10 mm x 10 mm
40 mm x 40 mm
250 mm
5 kg
5 kg
12 kg
500 kg
166
92

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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HALTER PORTFOLIO



The solutions that we offer ensure you can automate the production of a wide variety of workpieces. Discover our models and the different types below.

UNIVERSAL



COMPACT 12 TURNING/MILLING

- ✓ Long shafts option
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PREMIUM 20/35 TURNING/MILLING

- ✓ Most versatile system on the market
- ✓ Easily moved from one CNC machine to another
- ✓ Set up in less than 5 minutes

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New York

BIG 35/70 TURNING/MILLING

- √ Long shafts option
- √ For loading heavy workpieces
- √ High capacity for workpieces with bigger dimensions

Payload	Payload	Payload
12 kg	20 kg / 35 kg	35 kg / 70 kg
Max. workpiece size	Max. workpiece size	Max. workpiece size
135 mm x 135 mm	270 mm x 270 mm	300 mm x 300 mm
Ø 135 mm	Ø 270 mm	Ø 300 mm
Max. workpiece length	Max. workpiece length	Max. workpiece length
150 mm	250 mm	300 mm
Optional workpiece length	Optional workpiece length	Optional workpiece length
(long shafts) 250 mm	(long shafts) 450 mm	(long shafts) 800 mm

TURNSTACKER





- √ High capacity for diameters up to 160 mm
- ✓ Smallest footprint
- ✓ Easily moved from one CNC machine to another



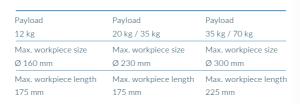
PREMIUM 20/35 TURNING

- √ High capacity for diameters up to 230 mm
- ✓ Easily moved from one CNC machine to another



BIG 35/70 **TURNING**

- √ For loading heavy workpieces
- √ High capacity for diameters up to 300 mm



MILLSTACKER





- √ High capacity for workpieces up to 200 mm 300 mm
- ✓ Smallest footprint ✓ Fasily moved from. one CNC machine

to another

COMPACT 12

MILLING



PREMIUM 20/35 MILLING

- √ High capacity for workpieces up to
- ✓ Easily moved from one CNC machine to another



BIG 35/70 MILLING

- √ For loading heavy workpieces
- ✓ High capacity for workpieces up to 400 mm

Payload	Payload	Payload
12 kg	20 kg / 35 kg	35 kg / 70 kg
Max. workpiece size	Max. workpiece size	Max. workpiece size
125 mm x 125 mm	180 mm x 180 mm	250 mm x 250 mm
50 mm x 200 mm	80 mm x 300 mm	100 mm x 400 mm
Max. workpiece length	Max. workpiece length	Max. workpiece length
175 mm	175 mm	225 mm