



WeStep 650

The compact all-rounder

For Studer:

favorit | S33 | S31 | S41 | S22 | S121 | S131 | S141 | S122

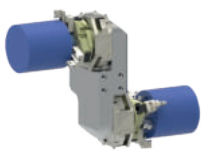
Highlights

The pallets are pushed in on the lower belt. Via a lift system the pallets are indexed and placed on the upper belt.



The SPC/NOK drawer is accessible from the rear.

Quick-change gripper heads

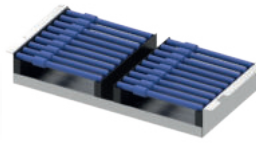


Chuck part gripper

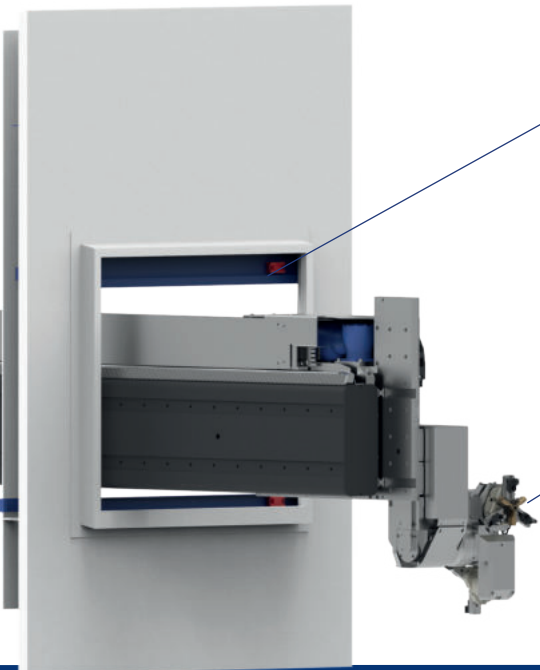


Shaft gripper

Quick-change pallet inserts for:
chuck parts | shaft parts | stationary shaft parts



Safe separation of loader and machine compartment with loading hatch.



Quick-change tooling for chuck and shaft parts.

WeStep 650 Product Description



The WeStep 650 loads shaft parts up to 650 mm length and chuck parts up to 260 mm diameter.

The parts are fed in pallets, which are drawn in and processed by a chain conveyor. Using NC technology, the pallet is indexed under the line gantry. When the pallet has been processed, the pallet is placed on the upper finished parts conveyor and removed at the operator's side.

Thanks to flexible and quickly convertible grippers and pallets, the WeStep is particularly suitable for small batch sizes.

Features:

- Process integration: Processes such as blowing-off, measuring, and deburring can be integrated in a small space. For more complex processes it is possible to enlarge the cell on the right side with an extension module.
- Fast changeover to other part types: thanks to our fast changeover system and image-guided changeover wizard you can switch to other part types in practically no time.

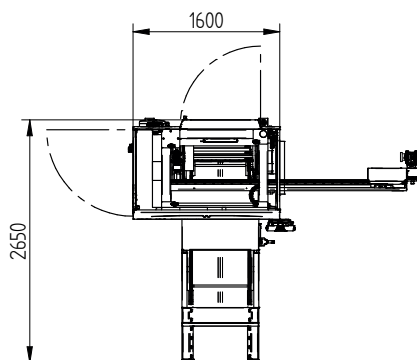
WeStep 650 Technical Specifications

Technical Specifications	WeStep
Number of pallets on conveyor	5
Autonomy example	
Chuck part Ø 80 L80	75 pcs
Shaft part Ø40 L170	40 pcs
Pallet size (internal dimensions)	336x656 mm
Chuck part max. dimension	Ø260 L100 (up to 5 kg)*
Shaft part max. dimension	Ø100 L650 (up to 15 kg)*
	<small>* Machine-specific limitations. Larger dimensions and higher weights on request.</small>
Workpiece changeover time	
Double gripper	approx. 6-10 s
Single gripper	approx. 15-20 s
	<small>Without machine clamping times, depending on part weight</small>
Traversing speeds	up to 4m/s
Dimensions	
Floor plan	1600x2650 mm
Height	2150 mm
Weight	Approx. 2.0 t
Connection information	
Air pressure	6 bar
Air consumption	50 L/min
Voltage	3x400 VAC (3LNPE 50 Hz)
Backup fuse	25 A
Max. power consumption	5 kW

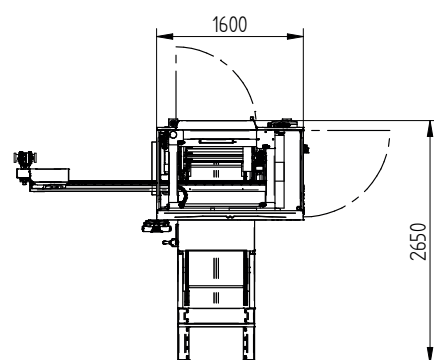
Footprint

(WeStep without machine tool)

WeStep L



WeStep R



Typical
WeStep 650
workpieces



WeStep 650 & favorit/S31/S33

Technical specifications of centre widths 400/650/1000

Max. shaft part: Ø100 L300* with double gripper (up to 5 kg)
Ø100 L650* with single gripper (up to 15 kg)

Max. chuck part: Ø260 L100* with double gripper (up to 5 kg)

*The loading situation requires analysis in the boundary areas. Larger dimensions may also be loaded, depending on the grinding machine configuration.

Centre width 650/1000 – WeStep left



Centre width 400 – WeStep right



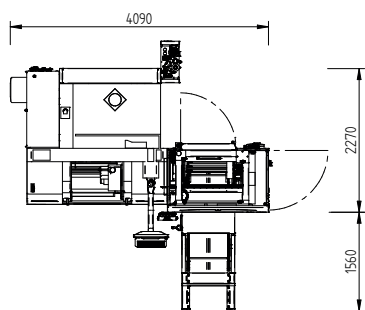
Important note on grinding machine configuration

- The loading situation requires analysis if a rotary dresser is used.

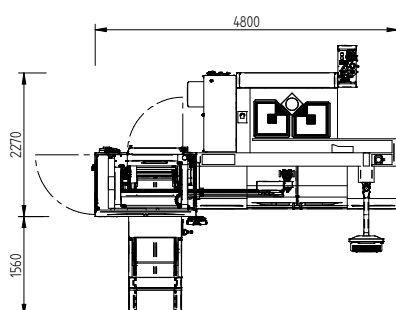
Footprint

(Loader and machine, without grinding machine units)

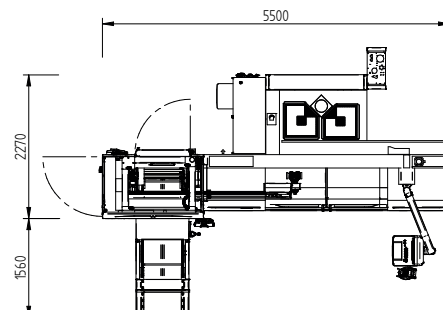
Centre width 400



Centre width 650



Centre width 1000



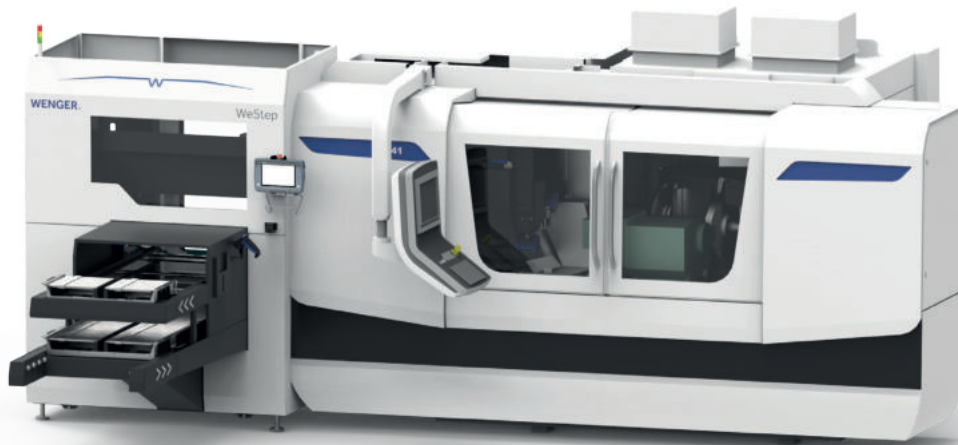
WeStep & S41

Technical specifications of centre width 1000 – centre width 225mm

Max. shaft part: Ø100 L300* with double gripper (up to 5 kg)
 Ø100 L650* with single gripper (up to 15 kg)

Max. chuck part: Ø260 L100* with double gripper (up to 5 kg)

*The loading situation requires analysis in the boundary areas. Larger dimensions may also be loaded, depending on the grinding machine configuration.

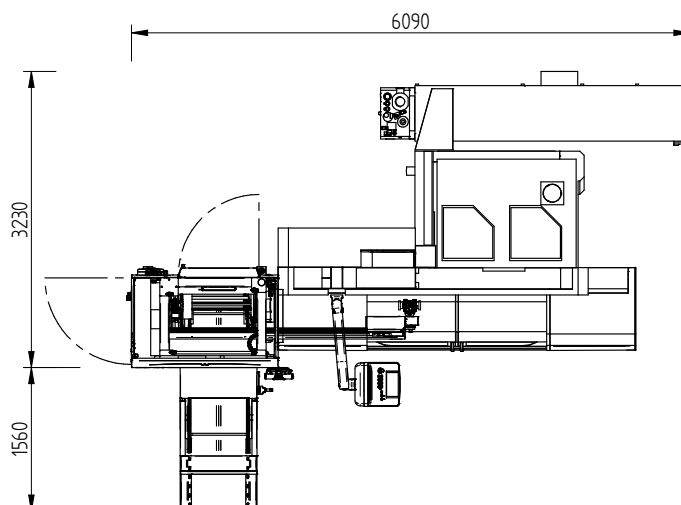


Important note on grinding machine configuration

- The loading situation requires analysis if a rotary dresser is used.
- The listed data applies for a centre height of 225 mm. With a centre height of 275 mm the loading situation must be examined.

Footprint

(Loader and machine, without grinding machine units)



WeStep & S22

Technical Specifications

Max. shaft part: $\varnothing 100$ L300* with double gripper (up to 5 kg)
 $\varnothing 100$ L650* with single gripper (up to 15 kg)

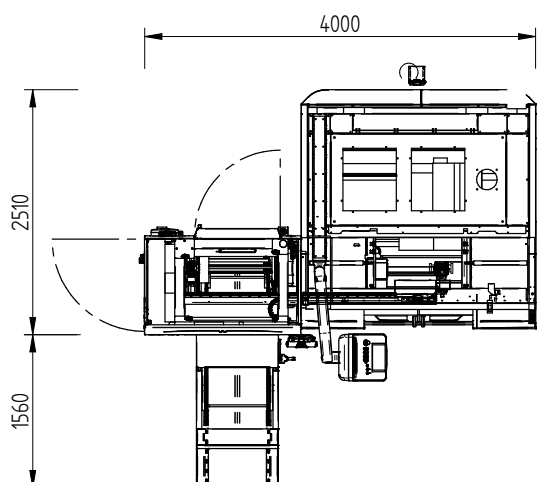
Max. chuck part: $\varnothing 140$ L100* with double gripper (up to 5 kg)

*The loading situation requires analysis in the boundary areas. Larger dimensions may also be loaded, depending on the grinding machine configuration.



Footprint

(Loader and machine, without grinding machine units)



WeStep & S131

Technical Specifications

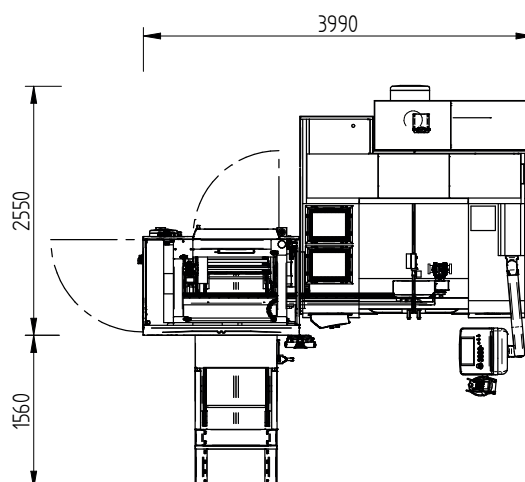
Max. chuck part: Ø260 L100* with double gripper (up to 5 kg)

*The loading situation requires analysis in the boundary areas. Larger dimensions may also be loaded, depending on the grinding machine configuration.



Footprint

(Loader and machine, without grinding machine units)



WeStep & S141

Technical Specifications

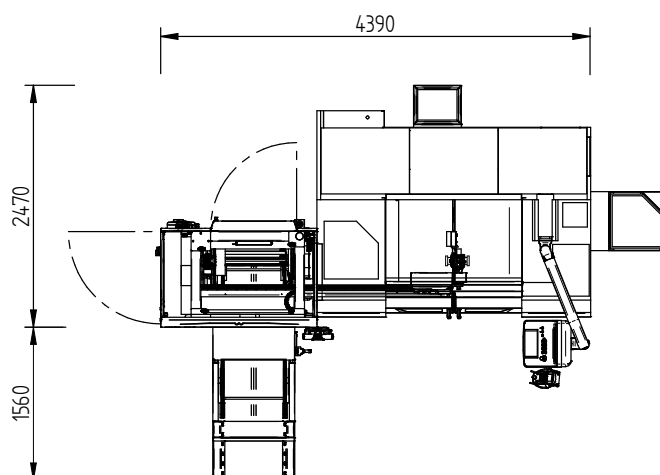
Max. chuck part: Ø260 L100* with double gripper (up to 5 kg)

*The loading situation requires analysis in the boundary areas. Larger dimensions may also be loaded, depending on the grinding machine configuration.



Footprint

(Loader and machine, without grinding machine units)



WeStep & S122

Technical Specifications

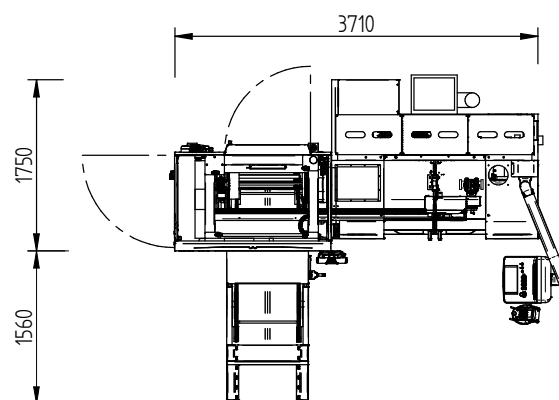
Max. chuck part: Ø260 L100* with double gripper (up to 5 kg)

*The loading situation requires analysis in the boundary areas. Larger dimensions may also be loaded, depending on the grinding machine configuration.



Footprint

(Loader and machine, without grinding machine units)





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