



WeSpeed

For small parts and fast cycle times

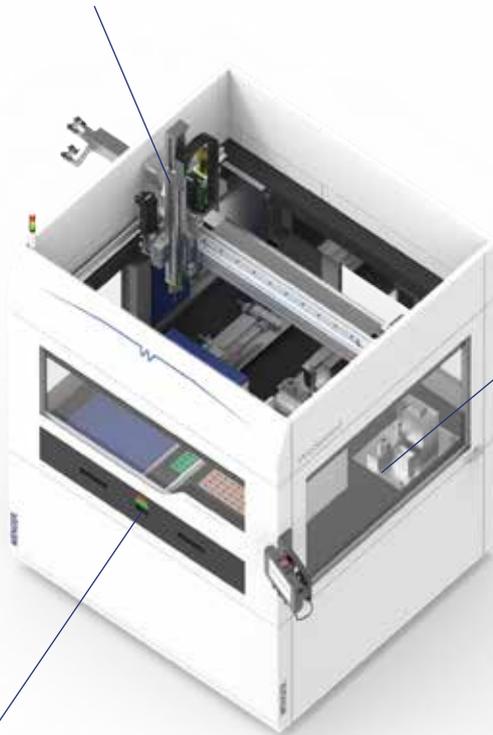
Works with Studer:

S11 | S110

Highlights

Workpiece storage:
2 x 400 x 600 mm drawers
A slide guard allows
uninterrupted pallet change.

The decoupling of the machine
loading and the handling within the
cell, through the surface gantry,
enables the shortest cycle times for
complex applications, with multiple
process stations.



Room for process stations, such as
measurement, deburring and more.

SPC/NOK drawer



Safe loading hatch. Safe separation
of loader and machine compartment

WeSpeed product description



WeSpeed fills the void wherever the standard robot cell fails to meet the required cycle times because, in addition to machine loading, additional processes must be operated.

Due to the decoupling of machine loading and part handling for process stations and workpiece storage, very short cycle times can also be realised for complex match grinding tasks.

The workpiece storage consists of 2 400 x 600 mm drawers.

Features:

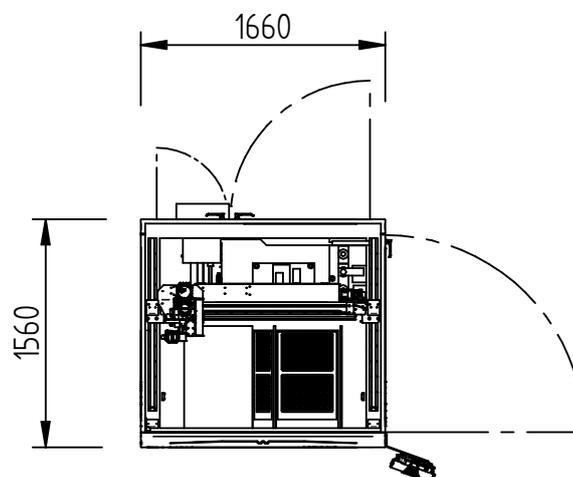
- A sliding guard above the drawer enables the pallet to be changed during machining.
- A controller for every function. All processes are developed by us in-house, and are integrated in the loader control system.
- Industry 4.0: All methods of retrieving relevant operating and process data are available with our preconfigured OPC-UA interfaces for all common systems and our WeConnect software tool.

WeSpeed technical specifications

Technical specifications	WeSpeed
Number of drawers	2 + 1xSPC/NOK
Autonomy example Chuck part Ø 10 L60:	500 pcs
Number of pallets/sizes	4 x 300 x 400 mm 2 x 400 x 600 mm
Chuck part max. dimension: Shaft part max. dimension: <small>*Larger dimensions also possible if required with geometric analysis</small>	Ø 140 L100 (to 2 kg) Ø 100 L200 (to 2 kg)
Workpiece changeover time <small>Without machine clamping times, depending on part weight</small>	< 4-6s
Traversing speeds	up to 4m/s
Dimensions Floor plan: Height of casing: Height of Z axis top:	1660 x 1560 mm 2300 mm 2740 mm
Weight	Approx. 1.5t
Consumption information Air pressure: Air consumption: Voltage: Backup fuse: Max. power consumption:	6 bar 50 l/min 3 x 400 VAC (3LNPE 50 Hz) 25 A 5 kW

Footprint

(WeSpeed only without machine tool)



Successful
WeSpeed projects



WeSpeed & S11

WeSpeed with S11 technical specifications

Max. shaft part: $\varnothing 140$ L100* (to 2 kg)

Max. chuck part: $\varnothing 100$ L200* (to 2 kg)

Autonomy example:

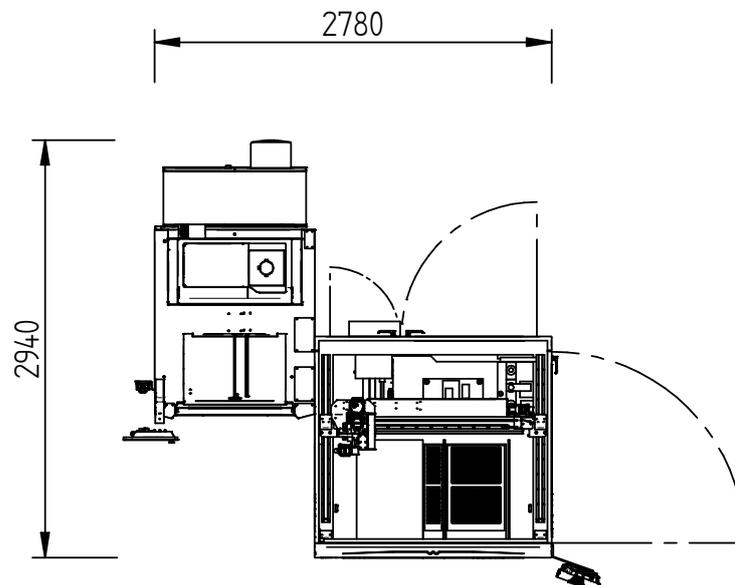
Chuck part $\varnothing 10$ L60 = 500 pcs

*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)



WeSpeed & **S110**

WeSpeed with S110 technical specifications

Max. chuck part: Ø140 L100* (to 2 kg)

Autonomy example:

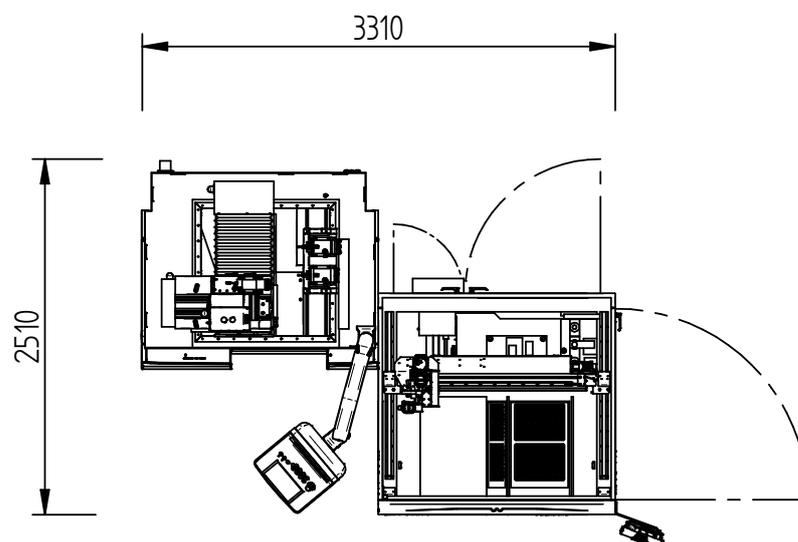
Chuck part Ø20 L30 = 250 pcs

*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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