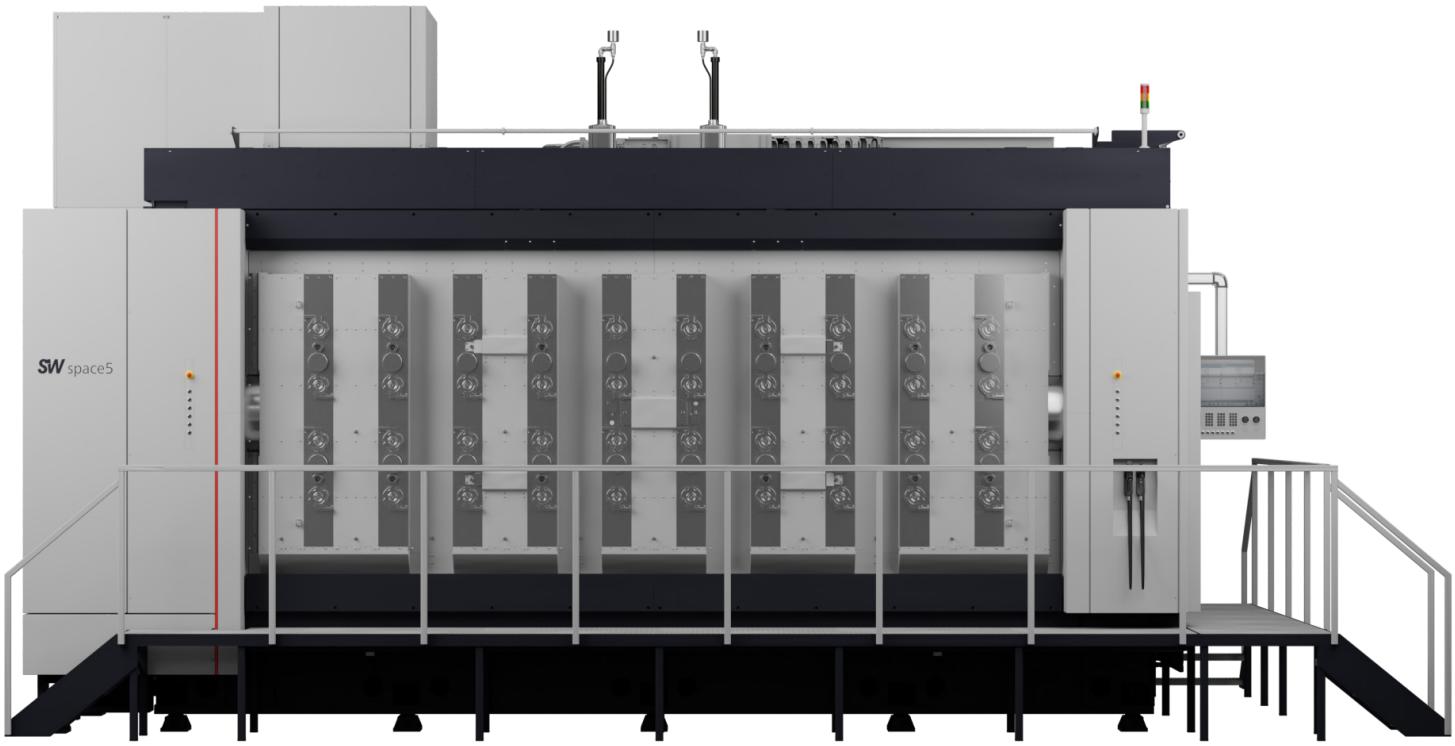
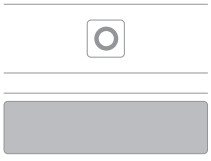
BA space5

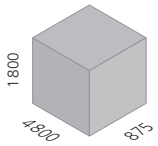


BA space5

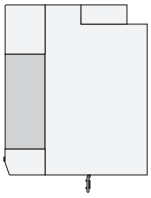
Working range	
X-axis	4 800 mm
Y-axis	1 800 mm
Z-axis	875 mm
Workpiece carrier	
Swivel carrier with 2 opposing clamping surfaces	5 040 mm x 1 840 mm
Pallet size (X / Y)	5 000 mm x 1 800 mm
Maximum dimension swivel carrier with workpieces	ø 2 200 mm x 5 040 mm
Swivel time 0 / 180°	6,0 s
Max. load capacity	2 x 4 000 kg
Work spindle HSK-A63 / 80	
Speed range	1 - 30 000 rpm
Run up time 0 - n_{max}	< 1,2 s
Spindle bearings ø	70 mm
Power (S1)	120 kW
Torque (S1)	83 Nm
Swivel axis A / C	
Variant / Drive system	Swivel head / torque motor
Speed range A / C	1 - 100 / 1 - 80 rpm
Max. drive torque A / C	1 300 Nm / 1 450 Nm
Holding torque axis clamped A / C	4 000 Nm
Swivel range A / C	± 120° / ± 360°
Feed drive	
Drive system	rack and pinion / Ball screw / Ball screw
Rapid traverse X / Y / Z	120 / 90 / 90 m/min
Axis acceleration X / Y / Z	8 / 8 / 8 m/s²
Max. feed thrust X / Y / Z	35 000 / 20 000 / 20 000 N
Accuracy X / Y / Z	
Position measuring system	Direct, absolute
Positioning accuracy A	≤ 0,010
Repeatability R (ISO 230-2:2014)	≤ 0,005
Accuracy A / C	
Position measuring system	Direct, absolute
Positioning accuracy A	≤ 20"
Repeatability R (ISO 230-2:2014)	≤ 10"
Tool magazine HSK-A63 / 80	
Tool change system	Tool changer
Capacity	90 (160)*
Max. tool ø	115 mm / 200 mm (-o-)
Max. tool length / tool weight	450 mm / 15 kg
Tool change time	approx. 1,5 s
Dimensions	
Footprint	42 m²
Transport dimensions W x H x L	4,10 m x 3,90 m x 7,50 m
Machine installed W x H x L	7,00 m x 5,30 m x 12,50 m
Connected load	
Operating voltage	3 x 400 Volt, 50 Hz, TN-S/TN-C Netz
Total connected load	ca. 195 kVA
Mean air consumption	0,5 Nm³/min (5,5 bar)
CNC control system	
Siemens	SINUMERIK ONE



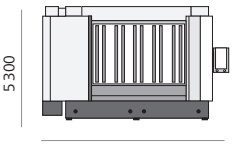
SWIVEL CARRIER



WORKSPACE PER SPINDLE



7 000



12 500

*optional, **on request, -o- occupancy of multiple magazine positions. Details depending on equipment. Technical data according to project planning. Deviation +/- 15% reserved. Subject to change without notice.