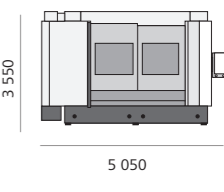
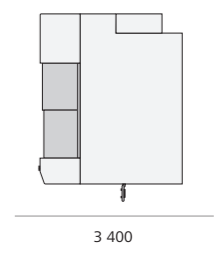
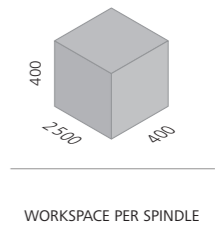
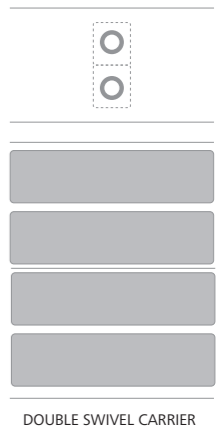




Working range		
X-axis (toolchange position)	2 500 mm (2 950 mm)	
Y-axis	400 mm	
Z-axis	400 mm	
Spindle distance	500 mm	
Workpiece carrier		
Swivel carrier / counterbearing with crown gear: swivel time 0 / 180°	approx. 4,2 s	
A1/A2- and U1/U2-axes, prepared for mounting a fixture plate, up to max.	Ø 500 mm x 2 700 mm	
Drive system	Torque motor	
Load capacity	4 x 500 kg	
Speed range A-, U-axis	1 - 100 rpm	
Work spindle		
	HSK-A63	HSK-E50*
Speed range	1 - 17 500 rpm	1 - 40 000 rpm
Run up time n <sub>max</sub>	< 0,75 s	< 1,5 s
Spindle bearings ø	80 mm	
Power (duty cycle)	2 x 35 kW (40%)	2 x 18 kW (25%)
Torque (duty cycle)	2 x 72 Nm (40%)	2 x 11,5 Nm (25%)
Feed drive		
Drive system	Linear motor	
Rapid traverse X / Y / Z	120 / 100 / 120 m/min	
Axis acceleration X / Y / Z	10 / 12 / 20 m/s <sup>2</sup>	
Max. feed thrust X / Y / Z (Z <sub>1</sub> , Z <sub>2</sub> )	16 000 / 8 000 / 8 000 (2 x 4 000)* N	
Accuracy		
Toolchange system	Direct, absolute	
Positioning accuracy A /	≤ 0,020 mm	
Repeatability R (ISO 230-2)	≤ 0,012 mm	
Tool magazine		
Toolchange system	Pick-Up	
Capacity	2 x 25 (2 x 35)*	
Max. tool ø	95 / 170 mm (-o-)	
Max. tool length	300 mm	
Max. tool weight	10 kg	
Toolchange		
Chip-to-chip time	approx. 2,75 s	
Weight / Dimensions		
Total weight	approx. 16 000 kg	
Transport dimensions W x H x L	5,05 m x 3,55 m x 3,40 m	
Machine installed W x H x L	7,75 m x 4,50 m x 5,05 m	
Connected load		
Operating voltage	3 x 400 Volt, 50 Hz, TN-S/TN-C Netz	
Total connected load	approx. 104 kVA	
Mean air consumption	0,6 Nm <sup>3</sup> /min (6 bar)	
CNC control system		
Siemens	SINUMERIK ONE	



\*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.