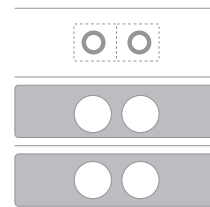


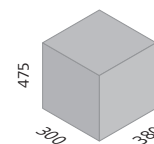
BA W03



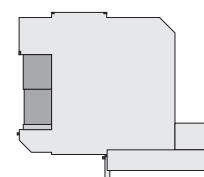
Working range		
X-axis	300 mm (320 mm)*	
Y-axis (toolchange position)	475 mm (725 mm)	
Z-axis	380 mm	
Spindle distance	300 mm (320 mm)*	
Workpiece carrier		
Swivel carrier / counterbearing with crown gear: swivel time 0 / 180°	approx 3,0 s	
A- and U-axis, prepared for mounting a fixture plate, up to max.	Ø 475 mm x 830 mm	
Drive system	Torque motor	
Load capacity	2 x 360 kg	
Speed range A-, U-axis	1 - 100 rpm	
C- and W-axis*	2 / 4 satellites	
Work spindle	HSK-A63	HSK-E50*
Speed range	1 - 17 500 rpm	1 - 40 000 rpm
Run up time n_{max}	< 0,65 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 80 (40%)	2 x 11,5 (25%)
Feed drive		
Drive system	Linear motor	
Rapid traverse X / Y / Z	120 m/min	
Axis acceleration X / Y / Z	14 / 14 / 25 m/s ²	
Max. feed thrust X / Y / Z	8 000 / 8 000 / 8 000 (2 x 4 000)* N	
Accuracy		
Position measuring system	direct, absolute	
Positioning accuracy A /	≤ 0,006	
Repeatability R (ISO 230-2)	≤ 0,004	
Tool magazine		
Toolchange system	Pick-Up	
Capacity	2 x 20 (2 x 32 / 2 x 40 / 2 x 60 / 2 x 90)*	
Max. tool Ø	72 / 170 mm (-o-)	
Max. tool length	315 mm	
Max. tool weight	7,5 kg (10 kg)*	
Toolchange		
Chip-to-chip time	approx 2,0 s	
Weight / Dimensions		
Total weight	ca. 10 000 kg	
Transport dimensions W x H x L	2,75 m x 2,85 m x 4,25 m	
Machine installed W x H x L	3,85 m x 3,15 m x 6,30 m	
Connected load		
Operating voltage	3 x 400 Volt, 50 Hz, TN-S/TN-C Netz	
Total connected load	100 kVA	
Mean air consumption	0,6 Nm ³ /min (6 bar)	
CNC control system		
Siemens	SINUMERIK ONE	



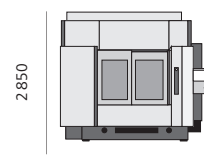
DOUBLE SWIVEL CARRIER
2 OR 4 ROTARY TABLES



WORKSPACE PER SPINDLE



4250



2750

*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.