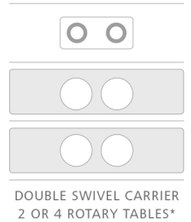
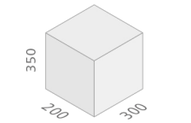
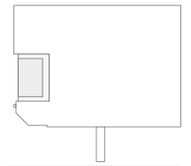
Working range		
X-axis	200 mm	
Y-axis (toolchange position)	350 mm (525 mm)	
Z-axis	300 mm	
Spindle distance	250 mm	
Workpiece carrier		
Swivel carrier / counterbearing with crown gear: swivel time 0 / 180°	approx. 2,25 s	
A- and U-axis, prepared for mounting a fixture plate, up to max.	Ø 425 mm x 630 mm	
Drive system	Torque motor	
Load capacity	2 x 160 kg	
Speed range A-, U-axis	1 - 100 rpm	
C- and W-axis*	2 satellites	
Work spindle	**HSK-A40**	**HSK–E40***
Speed range / Run up time 0 - n_{max}	1 - 25 000 rpm / < 0,7 s	1 - 40 000 rpm
Spindle bearings ø	50 mm	
Power / Torque (40% duty cycle)	2 x 18 kW / 17 Nm	
Feed drive		
Drive system	Linear motor	
Rapid traverse X / Y / Z	80 / 120 / 120 m/min	
Axis acceleration X / Y / Z	16 / 16 / 22 m/s²	
Max. feed thrust X / Y / Z	4 000 / 6 000 / 4 000 N	
Accuracy (acc. to VDI / DGQ 3441)		
Position measuring system	Direct, absolute	
Positioning tolerance X / Y / Z	Tp = 0,004 mm	
Tool magazine		
Toolchange system	Pick-Up	
Capacity	2 x 20 (2 x 40, 2 x 60)*	
Max. tool ø	45 / 110 mm (free adjacent pocket)	
Max. tool length	225 mm	
Max. tool weight HSK-40	2,0 kg	
Toolchange		
Chip-to-chip time	approx. 1,75 s	
Weight / Dimensions		
Total weight	approx. 8 100 kg	
Transport dimensions W x H x L	1,92 m x 2,35 m x 2,55 m	
Space machine	4,15 m²	
Machine installed W x H x L	3,20 m x 2,90 m x 5,20 m	
Connected load		
Operating voltage	3 x 400 Volt, 50 Hz, TN-S/TN-C Netz	
Total connected load	41 kVA	
Mean air consumption	0,4 Nm³/min (5,5 bar)	
CNC control system		
Siemens	SINUMERIK 840 D sl	

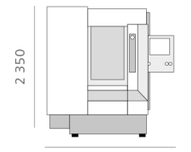


DOUBLE SWIVEL CARRIER
2 OR 4 ROTARY TABLES*



WORKSPACE PER SPINDLE





INTEGRATED
AUTOMATION*

*Specification depends on machine equipment.
Subject to change without prior notice.