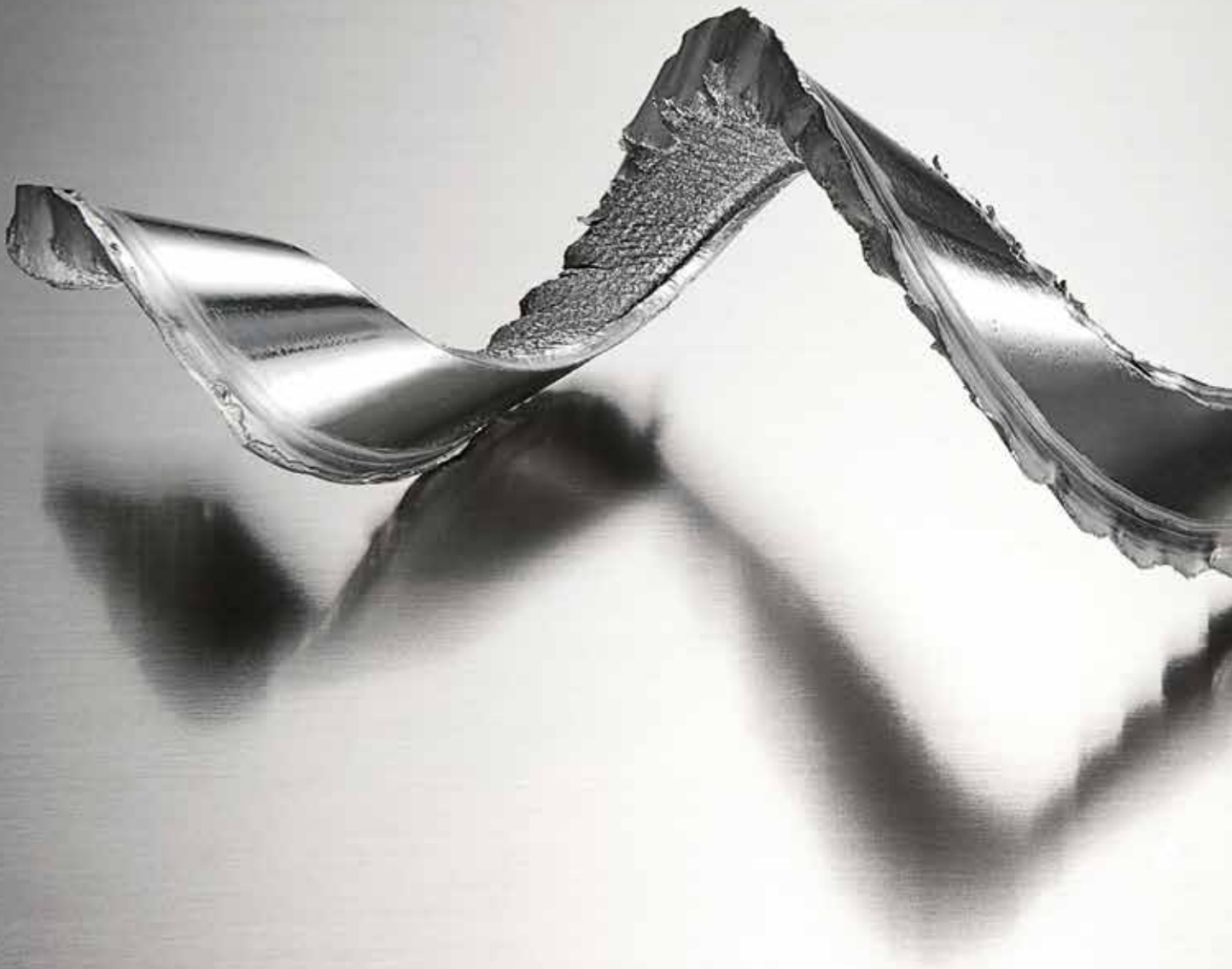


03

Technical data . C 62



03.1

Technical data . C 62

Working area			
Traverse	X axis	1200 mm	
Traverse	Y axis	1300 mm	
Traverse	Z axis	900 mm	
Rapid linear traverses	X-Y-Z	50 m/min	
Linear acceleration	X-Y-Z	6 m/s ²	
Linear feed force	X-Y-Z	16000 N	
Max. vertical table clearance		1100 mm	
Max. workpiece diameter		Ø 1200 mm	
Max. workpiece height		900 mm	
Collision circle (A axis) in 0° position		Ø 1400 mm	
Main spindle drive			
Speed	9000 rpm	SK 50	○
Main power/Torque	20% c.d.f.	56 kW / 356 Nm	
Speed (C 62 / C 62 MT)	9000 rpm	HSK A 100	○
Main power/Torque	20% c.d.f.	41 kW / 476 Nm	
Speed	10000 rpm	HSK A 63	○
Main power/Torque	20% c.d.f.	23 kW / 298 Nm	
Speed (C 62 / C 62 MT)	12000 rpm	HSK A 100 / HSK T 100	○
Main power/Torque	20% c.d.f.	56 kW / 356 Nm	
Speed	15000 rpm	SK 40	●
Main power/Torque	20% c.d.f.	35 kW / 215 Nm	
Speed (C 62 / C 62 MT)	18000 rpm	HSK A 63 / HSK T 63	○
Main power/Torque	20% c.d.f.	35 kW / 215 Nm	
Control unit			
Heidenhain		TNC 640	●
Siemens		Sinumerik 840 D sl	○

Tool changer (pick-up)	Interface	SK 40 / HSK A 63 / HSK T 63	SK 50 / HSK A 100 / HSK T 100	○
	Magazine pockets		70	50
Chip-to-chip time		approx. 9.5 s	approx. 9.5 s	
Max. tool length		500 mm	500 mm	
Max. tool diameter		Ø 160 mm	Ø 250 mm	
Max. magazine load		560 kg	550 kg	

Extension of tool storage capacity*	Interface / Interface MT	additional magazine		max. magazine load	
		single	double	single	double
SK 40	ZM 90 / ZM 115	ZM 220 / ZM 270	90 / 115	220 / 270	
SK 50	ZM 72 / ZM 92	ZM 176 / ZM 216	72 / 92	176 / 216	
HSK A 63 / HSK T 63	ZM 110 / ZM 135	ZM 265 / ZM 325	110 / 135	265 / 325	
HSK A 100 / HSK T 100	ZM 88 / ZM 108	ZM 212 / ZM 260	88 / 108	212 / 260	

*The tool length depends on the use of the magazine and is at max. 500 mm. More details on request.

Table variants*	Swivelling rotary table	Ø 900	Ø 1350	Ø 1200 (MT variant)
	Clamping surface	Ø 900 mm	Ø 1350 mm	Ø 1200 mm
Clamping surface flattened on 2 sides	-	1100 mm	-	
Swivelling range	+/- 130°	+/- 130°	+/- 130°	
C-axis drive mode	torque	torque	torque	
Speed - swivelling axis A	15 rpm	15 rpm	15 rpm	
Speed - rotary axis C	30 rpm	30 rpm	400 rpm	
Max. milling table load	2500 kg	2500 kg	2500 kg	
Max. turning table load	-	-	1500 kg	
T grooves parallel	7 units / 18 H7	11 units / 22 H7	-	
T grooves star			16 units / 22 H7	

*All tables available on demand

- Included in standard delivery
- Available upon request

Positional uncertainty	P in X-Y-Z axes according to VDI/DGQ 3441 (calculated at a constant ambient temperature of 20 °C +/-1 °C. Our products are subject to the German Export Law and require authorization since the attainable precision may be less/greater than 6 µm.)	0.008 mm ●
Chip conveyor	Scraper belt conveyor ● Hinged belt conveyor ○ Chip conveyor ejection height at least 940 mm Chip cart 450 l ○	
Coolant equipment	Amount of coolant 600 l ● Pump capacity 5 bar / 140 l/min	
Internal cooling lubricant supply with paper band filter	Amount of coolant 1700 l Pressure (manually adjustable up to) max. 80 bar / 47 l/min Mains connection (ICS) 400 V / 50 Hz Power consumption (ICS) 24.8 kVA	
Hydraulics	Operating pressure 120 bar ●	
Central lubrication	Minimum grease lubrication quantity ●	
Weight	(Standard version without optional extras, attachments, workpieces and cooling lubricant)	Approx. 30.5 t
Connected loads	Mains connection 400 V / 50 Hz Power consumption C 62 U to 114 kVA Power consumption C 62 U MT to 114 kVA Compressed air 6 bar	

● Included in standard delivery

○ Available upon request