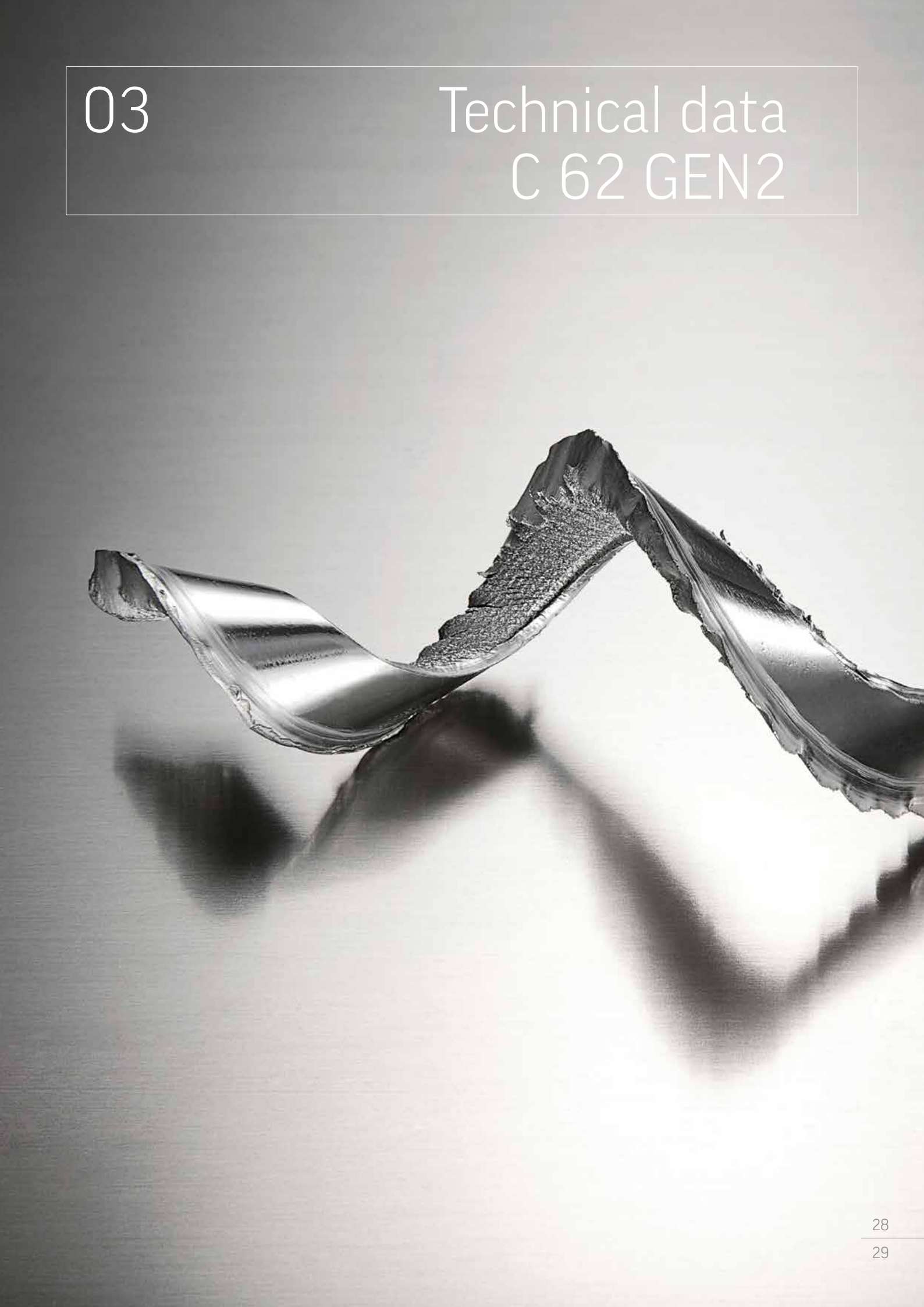
03 Technical data C 62 GEN2



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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/s²
	Linear feed force	X-Y-Z	16000 N
	Max. vertical table clearance		1100 mm
	Max. workpiece diameter	5-axis: Ø 1300 mm	MT: Ø 1200 mm
	Max. workpiece height		900 mm
	Collision circle (A-axis) in 0° position		Ø 1400 mm
Main spindle drive			
	Speed (MT variants) Main power/Torque	9000 rpm 20% c.d.f.	HSK A 100 (HSK T 100) ○ 70 kW / 560 Nm
	Speed (MT variants) Main power/Torque	14000 rpm 20% c.d.f.	HSK A 100 (HSK T 100) ● 56 kW / 356 Nm
	Speed Main power/Torque	18000 rpm 20% c.d.f.	HSK A 63 ○ 35 kW / 215 Nm
Control unit			
	Heidenhain		TNC7 ●
	Siemens		SINUMERIK ONE ○
Tool changer (pick-up)			
	Interface	HSK A 63 ●	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 with corresponding adjacent pocket allocation	Ø 160 mm	Ø 250 mm
	Max. tool weight	15 kg	30 kg
	Max. magazine load	560 kg	550 kg

● Included in standard delivery
○ Available upon request

*Extension of tool storage capacity**

Interface /	additional magazine		max. magazine load	
Interface MT	single	double	single	double
HSK A 63	ZM 110 /135	ZM 265 /325	110 /135	265 /325
HSK A 100 / HSK T 100	ZM 88/108/128	ZM 212 /260/300	88 /108/128	212 /260 /300

*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 radial	-	-	16 units / 22 H7

*All tables available on demand

Positioning uncertainty	A 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.)	≤ 0.006 mm	●
Chip conveyor	Scraper belt conveyor		●
	Hinged belt conveyor	Advanced / Advanced 250	○
	Chip conveyor ejection height	at least 940 mm	
	Chip cart	450 l	○
Cooling lubricant unit	Amount of cooling lubricant	600 l	●
	Pump capacity	5 bar / 140 l/min	
Internal cooling lubricant supply with paper band filter	Amount of cooling lubricant	1160 l	
	Pressure (adjustable up to)	max. 80 bar / 35 l/min	
	Mains connection (ICS)	400 V / 50 Hz | 460 V / 60 Hz	
	Power consumption (ICS)	up to 20 kVA	
	Power consumption (temperature controller)	up to 10 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 | 460 V / 60 Hz	
	Power consumption C 62	up to 104 kVA | up to 105 kVA	
	Power consumption C 62 MT	up to 114 kVA | up to 120 kVA	
	Compressed air	6 bar	

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○ Available upon request