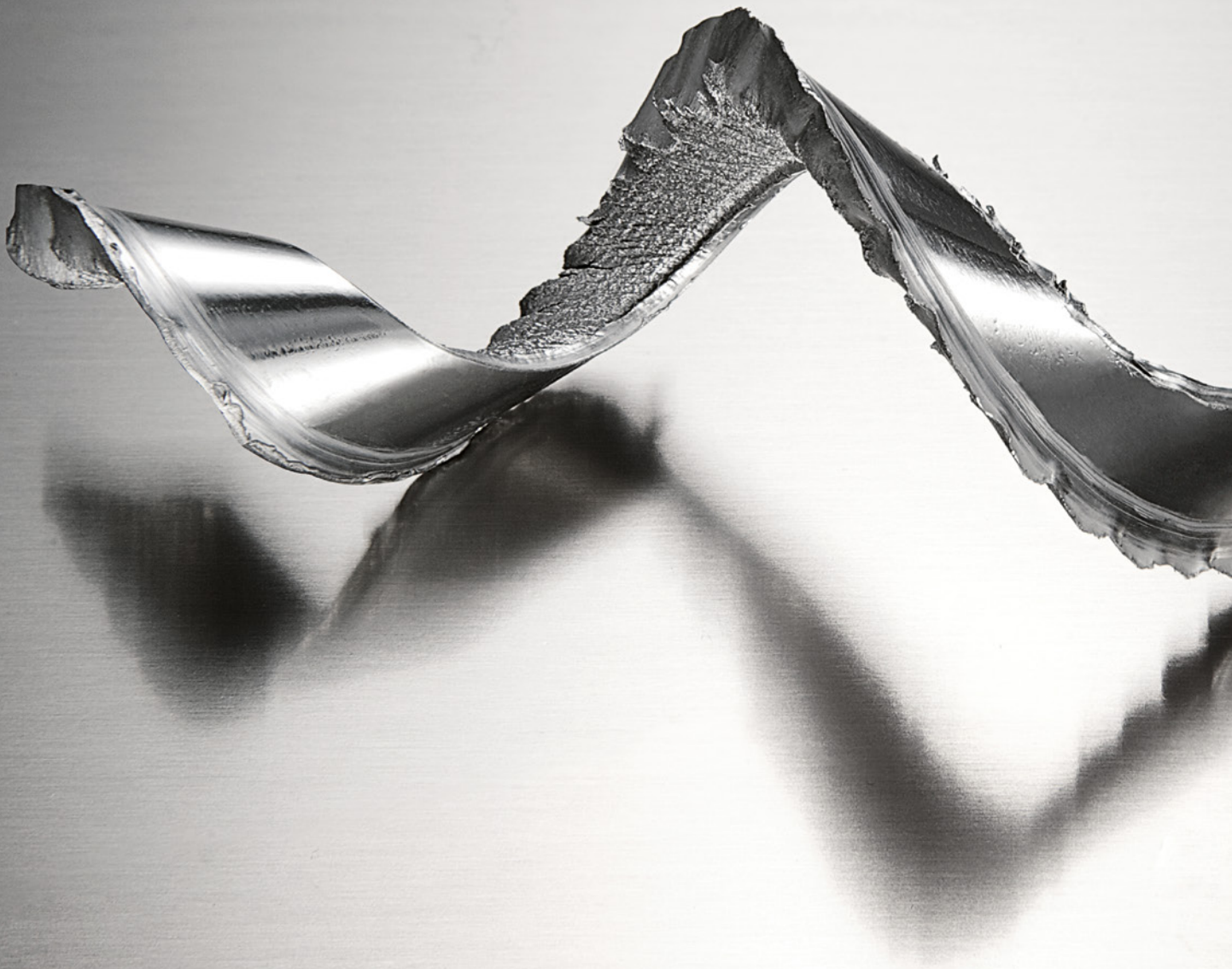


03

# Technical data C 62 GEN2



# 03.1

# Technical data C 62 GEN2

## 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 <sup>2</sup>
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	9000 rpm	SK 50	○
Main power/Torque	20% c.d.f.	56 kW / 356 Nm	
Speed (MT variants)	9000 rpm	HSK T 100	○
Main power/Torque	20% c.d.f.	70 kW / 560 Nm	
Speed (MT variants)	14000 rpm	HSK A 100 (HSK T 100)	○
Main power/Torque	20% c.d.f.	56 kW / 356 Nm	
Speed (MT variants)	18000 rpm	HSK A 63 (HSK T 63)	●
Main power/Torque	20% c.d.f.	35 kW / 215 Nm	

## Control unit

Heidenhain	TNC7	●
Siemens	SINUMERIK ONE	○

## Tool changer (pick-up)

Interface	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 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

**Extension of tool storage capacity\***

Interface / Interface MT	additional magazine		max. magazine load	
	single	double	single	double
SK 50	ZM 72 /92	ZM 176 /216	72 /92	176 /216
HSK A 63 / HSK T 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

- Included in standard delivery
- Available upon request

<b>Positioning uncertainty</b>	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	●
<b>Chip conveyor</b>	Scraper belt conveyor		●
	Hinged belt conveyor	Advanced / Advanced 250	○
	Chip conveyor ejection height	at least 940 mm	
	Chip cart	450 l	○
<b>Cooling lubricant unit</b>	Amount of cooling lubricant	600 l	●
	Pump capacity	5 bar / 140 l/min	
<b>Internal cooling lubricant supply with paper band filter</b>	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	
<b>Hydraulics</b>	Operating pressure	120 bar	●
<b>Central lubrication</b>	Minimum grease lubrication quantity		●
<b>Weight</b>	(Standard version without optional extras, attachments, workpieces and cooling lubricant)	Approx. 30.5 t	
<b>Connected loads</b>	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	

- Included in standard delivery
- Available upon request