

## Technical data H 1000

		H 1000
Working area X/Y/Z	mm	630 / 630 / 630
Pallet size	mmxmm	400x500
Workpiece dimensions	mm	Ø720x850
Workpiece mass	kg	500
Chip-to-chip time to VDI	s	3.5
Rapid traverse	mm/min	50,000
Acceleration	m/s <sup>2</sup>	5.0
Spindle taper	SK/HSK/BT	40 / A63 / 40
Tool magazine, chain (rack)	number	54 / 80 / 160 (400)
Tool dimensions, chain (rack)	mm	Ø160x350 (Ø188x350)
Speed	1/min	10,000
Drive power (duty cycle=40%)	kW	17
Drive torque (duty cycle=40%)	Nm	81
Length/width/height	mm	4,600 / 2,600 / 3,400
Mass of machine	kg	9,800
Machine control		SINUMERIK 840D sl / Fanuc 310i-A

**Contact**

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## Technical data H 2000

		H 2000
Working area X/Y/Z	mm	630 / 630 / 630
Pallet size	mmxmm	400x500
Workpiece dimensions	mm	Ø720x850
Workpiece mass	kg	800 / 500
Chip-to-chip time to VDI	s	2.8 / 2.2
Rapid traverse	mm/min	60,000 / 90,000
Acceleration	m/s <sup>2</sup>	8.0 / 10.0
Spindle taper	SK/HSK/BT	40 / A63 / 40
Tool magazine, chain (rack)	number	54 / 80 / 160 (400)
Tool dimensions, chain (rack)	mm	Ø160x350 (Ø188x350)
Speed	1/min	10,000 / 10,000 / 16,000 / 24,000
Drive power (duty cycle=40%)	kW	17 / 38 / 40 / 25
Drive torque (duty cycle=40%)	Nm	81 / 242 / 96 / 40
Length/width/height	mm	4,600 / 2,600 / 3,400
Mass of machine	kg	9,800
Machine control		SINUMERIK 840D sl / Fanuc 310i-A

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## Technical data H 3000

		H 3000
Working area X/Y/Z	mm	800 / 630 / 800
Pallet size	mmxmm	500x630
Workpiece dimensions	mm	Ø900x1000
Workpiece mass	kg	500
Chip-to-chip time to VDI	s	3.7
Rapid traverse	mm/min	50,000
Acceleration	m/s <sup>2</sup>	4.0
Spindle taper	SK/HSK/BT	40 / A63 / 40
Tool magazine, chain (rack)	number	54 / 80 / 160 (400)
Tool dimensions, chain (rack)	mm	Ø160x450 (Ø188x450)
Speed	1/min	10,000
Drive power (duty cycle=40%)	kW	17
Drive torque (duty cycle=40%)	Nm	81
Length/width/height	mm	5,050 / 3,000 / 3,700
Mass of machine	kg	12,000
Machine control		SINUMERIK 840D sl / Fanuc 310i-A

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## Technical data H 4000

		H 4000
Working area X/Y/Z	mm	800 / 800 / 800
Pallet size	mmxmm	500x630
Workpiece dimensions	mm	Ø900x1000
Workpiece mass	kg	1400 / 800
Chip-to-chip time to VDI	s	3.0 / 2.4
Rapid traverse	mm/min	60,000 / 90,000
Acceleration	m/s <sup>2</sup>	8.0
Spindle taper	SK/HSK/BT	40 / A63 / 40
Tool magazine, chain (rack)	number	54 / 80 / 160 (400)
Tool dimensions, chain (rack)	mm	Ø160x450 (Ø188x450)
Speed	1/min	10,000 / 10,000 / 16,000 / 24,000
Drive power (duty cycle=40%)	kW	17 / 38 / 40 / 25
Drive torque (duty cycle=40%)	Nm	81 / 242 / 96 / 40
Length/width/height	mm	4,950 / 3,000 / 3,800
Mass of machine	kg	12,000
Machine control		SINUMERIK 840D sl / Fanuc 310i-A

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