

Dimensions/footprint

microone (standalone)	1100 × 770 × 2040 mm (W×D×H)
Transport dimensions	1170 × 775 × 2040 mm (W×D×H)
Weight	approx. 1250 kg
microone processing module	1100 × 770 × 1050 mm (W×D×H)
Weight processing module	approx. 850 kg
microone supply module	1100 × 770 × 990 mm (W×D×H)
Weight supply module	approx. 400 kg

Ergonomics

Work table height	1360 mm
Distance from two sides to the workpiece	approx. 300 mm

Electrics/Pneumatics

Electrical	Power supply	3 × 400 V/AC
	Connected load	6.0 KVA
Pneumatics	Compressed air supply	min 5.5 bar

Travel axes

X-axis	Linear actuator	190 mm
Y-axis	Linear actuator	140 mm
Z-axis	Linear actuator	170 mm
Optional B-axis	Torque with clamping	+110 / -10 degrees, opt. - 90 degrees
Optional C-axis	Torque	360 degrees

Rapid traverse axes

X/Y/Z-axis	55 m/min
Optional B-axis	130 U/min
Optional C-axis	1300 rpm, up to 3,000/6,000 rpm

Acceleration axes

X/Y/Z-axis	up to 15 m/s ²
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Feed force axes

X / Y / Z-axis	550 N
Optional B-axis	7.5 N
Optional C-axis	2.5 N

Positioning accuracy axes according to VDI/DGQ 3441

Direct measurement systems in all axes with the highest precision	
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Workpiece size/clamping surface

Max. diameter	100 mm
Max. height incl. clamping medium	80 mm
Max. weight incl. clamping medium	1.0 kg

Controller

Siemens	840 D sl
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Main spindle

Type Classic 62VA41	Tool holder ISO10
n max.	50,000 min ⁻¹
Collet diameter	0.5–7 mm
Collet type	ER11/EX12

alternatively

Type Classic 62VA33	Direct voltage
Collet diameter	3/4/6 mm
n max.	75,000 min ⁻¹
Torque max. S1	0.16 Nm
Power S1	1.0 KW

alternatively

HF62.2	Tool holder SKi16
Collet type	ER11/EX12
n max.	60,000 min ⁻¹

alternatively

HF65.1	Direct voltage
Collet diameter	3/4/6 mm
n max.	75,000 min ⁻¹

Water cooling

for all axes and spindles

Variant 1	± 1 °C
Variant 2	± 0.1 °C

Tool changer

Standard tool magazine	9Tools/ISO10
Extension tool storage WS40	40 tools
Standard tool magazine	12 tools/direct clamping

(variants depending on spindle)

Options

CAD/CAM	hypermill®/hyperdent® Solidcam/Inventor/SprutCAM
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Minimum quantity lubrication/
Medium distributor

Suction

Central lubrication

Workpiece measurement

Extinguishing system

Laser applications	Cutting/Welding
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Bar loader/pallet loader

Automation	Smart/Premium
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