

Technical data



Mikron HPM 1850U

Working range

Longitudinal	X	mm	1850
Cross	Y	mm	1400
Vertical	Z	mm	720 / 905
A-axis		°	-20 / +120 (110)
C-axis		°	n x 360
Number of simultaneous axis		pce.	5 axis / 5 simultaneous

Feed rate

Feed rate / Rapid traverse	X, Y	m/min	15 / 40
Feed rate / Rapid traverse	Z	m/min	15 / 40
Feed rate / Rapid traverse	A	min ⁻¹	11 / 20
Feed rate / Rapid traverse	C	min ⁻¹	30

Working spindle

Working spindle 10`000	Spindle power 40% ED	kW	34
HSK-A100	Spindle torque 40% ED	Nm	324
Working spindle 15`000	Spindle power 40% ED	kW	38
HSK-A63	Spindle torque 40% ED	Nm	193
Working spindle 24`000	Spindle power 40% ED	kW	30
HSK-A63	Spindle torque 40% ED	Nm	75

Accuracy XYZ ISO 230-2(97)

Accuracy	A	µm	10 / 8 / 6
Repeatability	R +/-	µm	6 / 5 / 4

Work table

Clamping surface		Ø mm	1600
Max. workpiece weight		kg	4000

Automation

Pallet magazine		Positions	3
Pallet size		mm x mm	1000 x 1250
Tool magazine	HSK-A63	Positions	45, 120, 238
	HSK-A100	Positions	30, 170

Control unit

Heidenhain		iTNC 530
Siemens		840 D

Weight

Machine weight		kg	25`000 - 31`500
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smart machine

APS, APS extended, Adaptive control, ITC

Ancillary services

Programming courses		+
Technology courses		+
Service training courses		+