

Technical data

Mikron MILL P 800 U

Mikron MILL P 800 U D

Mikron MILL P 800 U ST



			Mikron MILL P 800 U	Mikron MILL P 800 U ST
Working range				
Longitudinal / Cross / Vertical	X x Y x Z	mm	800 x 800 x 550	800 x 800 x 550
A-Axis		°	+91/-121°	+91/-121
C-Axis		°	n x 360°	n x 360°
Number of simultaneous axes		pce.	5/5 simultaneous	5/5 simultaneous
Feed Drives				
Feed rate / (D)	Rapid traverse X, Y, Z	m/min	45 / (61)	61
	A, C	min ⁻¹	25, 35 / (50, 60)	50, 800
Working spindle (40% ED, S6)				
20,000 min ⁻¹ , HSK-A63 / HSK-T63		kW/ Nm	36 / 120	36 / 120
28,000 min ⁻¹ , HSK-A63		kW/ Nm	36 / 36	-
36,000 min ⁻¹ , HSK-E50		kW/ Nm	33 / 21	-
Accuracy XYZ ISO 230-2(97)				
Accuracy	A	μ	8	8
Repeatability	R	μ	5	5
Work table				
Clamping surface		∅ mm	500 / 631	550 / 730
Peak torque C-Axis		Nm	-	1750
Max. workpiece weight		kg	500 / 800	800
Automation				
Tool magazine		Positions	30, 60, 120, 170, 215	60, 120, 170, 215
Laser tool measurement			Option	Option
Infrared touch probe			Option	Option
Weight				
Machine weight		kg	15,500	16,500
Options				
MSP Machine and Spindle Protection			+	+
Coolant sump, chip conveyor			+	+
Minimum-quantity cooling lubrication			+	+
Mist extraction unit, etc.			+	+
Compressed air blow through Spindle			+	+
Ancillary services				
Programming courses			+	+
Technology courses			+	+
Service training courses			+	+
Control unit				
Heidenhain iTNC 640			+	+
Siemens 840D sl			+	+