

SPECIFICATION SHEET

MACHINE : Mikron UCP1000 5 Axis Machining Centre

Control : Heidenhain TNC426

Date of Manufacture : 2000

SPECIFICATION

Working Range

Longitudinal	X	800mm
Cross	Y	1000mm
Vertical	Z	655mm

Work Table

Rotary tilting table	800mm
C axis	0.001°
Maximum table load	1000kg
Tee slots radial	14mm
Tilting range	-25 to 45°
Tilting speed (30% ED)	4rpm
Rotation Speed	12rpm

High Performance Spindle

Spindle performance at 40% ED/S6	24kW
Maximum rpm	15000rpm
Torque 40% ED	127Nm
Spindle taper	HSK A63

Feed Drives

Recommended maximum working feed	10m/min
Rapid traverse rate	30m/min
Axis force X and Y/Z	10000N

Toolchanger

Maximum tool capacity	No. 60
Maximum tool diameter	100mm
Maximum tool length	150mm

Toolchanger Cont.

Maximum tool weight	8kg
Chip to chip time to VDI	20 sec

Quality Data

Positioning accuracy Pa VDI/D6Q 3441	4µm
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Systems

With digital control	TNC 426PB
Number of axes	5 + spindle
Linear interpolation	5 axes out of 5
Circular interpolation	2 axes out of 2
Remote electronic handwheel	

Safety Equipment

Safety cabin/fully protected safety	
Door opening to front	1400 mm

Weight

Machine weight, approx.	10100 KG
Transport dimensions	4400 x 2400 x 2900 mm

Connection Data

Effective power	40kW
Maximum power required	40kVA
Fuse protection	80 amp

Complete with:

Renishaw Spindle & TS27 tool length setting probes
Through spindle coolant
Oil mist extraction
Swarf conveyor
Manuals