

Eumach HSM-1000L High Speed Vertical Machining Centre complete with Heidenhain iTNC-530 Control manufactured by our principals in Taiwan and Germany with the following specifications.

Specifications:

Table:

Overall size	1200mm x 610mm
Working area	1200mm x 610mm
T Slots (size x pitch x no.)	18 x 100mm x6
Maximum loading	850kg

Travel:

Longitudinal travel (X-Axis)	1020mm
Cross travel (Y-Axis)	610mm
Vertical travel (Z-Axis)	610mm

Distances:

Spindle centre to column	645mm
Spindle nose to table top	150-750mm
Floor to table top	820mm

Spindle:

Taper	BT#40
Speed	10,000rpm (standard)
Front bearing diameter	70mm
Motor	7.5kW (optional 11kw)

Rapid Feedrate: X/Y/Z

With Heidenhain control	30/30/24m/min
Minimum setting	0.001mm

Automatic Tool Changer:

Type of ATC	Arm type
No. of ATC	24 Tools
Max. tool (dia./length)	150/300mm
Max. tool weight	7kg
Tool to tool	3 Sec. (standard)
Chip to chip	10 Sec. (standard)

Ballscrews On 3 Axis:

Dia. x pitch x (X,Y Axis)	40x16mm
Dia. x pitch x (Z Axis)	50x12mm
Precision class	C3,
Accuracy	0.008/300mm

Coolant & Lubrication:

Coolant motor power	0.86 kW/HP
Coolant tank volume	120L
Coolant motor capacity	20L/min
Lubrication motor power	25Watt
Lubrication tank volume	2L

Accuracy:

Positioning	JIS 6338: $\pm 0.005\text{mm}/300\text{mm}$
Repeatability	JIS 6338: $\pm 0.003\text{mm}$
Roundness	JIS 6338: $\pm 0.01\text{mm}/300\text{mm dia.}$

Miscellaneous:

Machine Nett weight	6800kg
Power required	20 kva
Pneumatic required	7kg/cm ²

***Specifications are subject to change by the manufacturer without notice**

Standard Accessories:

- Heidenhain iTNC-530 Control
- Fully enclosed splash guard with screw type swarf conveyor
- 10,000rpm spindle with oil cooler
- Programmable coolant pump
- Automatic lubrication system
- Working lamp & alarm lamp
- Pre-extension ballscrew
- Levelling bolts & pads
- Arm type 24 ATC
- Spindle air blast system
- Heat exchanger on electric cabinet
- Automatic lubrication system
- Toolbox & manuals

Features:

- High speed cutting
- High volume hard disk drive
- High end CNC controls
- High speed block reading
- High speed look ahead
- High quality Meehanite castings without deformation
- High quality spindle design with super low vibration

- High spindle speed
- High rapid feedrate
- High end latest technology linear slideways

Optional Equipment:

- Rotary tables 150mm/200mm
- Auto. tool length & radius detector
- Auto. workpiece measurement
- Sub-tables
- Heidenhain 3 axes linear scale feedback
- Chain type swarf conveyor
- Hood flushing
- High pressure through spindle coolant
- Direct drive spindles
- Motor spindles up to 38000rpm
- Spindle motors up to 21kW
- High speed automatic tool changer 1.5 seconds
- Thermal compensation
- Water curtain
- Tooling packages, vices etc