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Product Brochure For K8510

NCM-3000 CNC Milling Machine - Includes Tooling Package - NSW Schools / TAFE

(X) 290mm (Y) 120mm (Z) 270mm

NSW Contract Item No. 34



ORDER CODE:	K8510
NSW DOE Item No.:	34
QLD DOE Item No.:	~
MODEL:	Schools / TAFE HCM-3000
Digital Readout:	~
Drilling Capacity (mm):	~
End Milling Capacity (mm):	~
Face Milling Capacity (mm):	~
Spindle Taper:	3MT
Quill Travel / Diameter (mm):	~
Spindle to Table (mm):	~
Type of Slides:	~
Spindle to Column (mm):	230
Table Size (mm):	550 x 160
T-Slot (mm):	12
Longitudinal Travel (X-Axis) (mm):	290
Cross Travel (Y-Axis) (mm):	120
Vertical Travel (Z-Axis) (mm):	270
Work Table Load Capacity (kg):	~
Swivel Head (Left - Right):	~
Quill Feed Rate/Rev (mm/rev):	~
Spindle Speeds (Vertical) (No. / rpm):	100 - 5000rpm
Spindle Speeds (Horizontal) (No. / rpm):	~
Motor Power (Vertical) (kW / hp):	1 / 1.3
Motor Power (Horizontal) (kW / hp):	~
Motor Voltage (V / amp):	240 / 15
Nett Weight (kg):	370

Description

We for many years have been working in close consultation with the education departments to ensure the most suitable equipment is provided to our schools and TAFE, not only does it comply with the departments stringent safety requirements but is built to last the distance. That's why we consider our company to be a specialist when it comes to supplying quality Wood Work and Metal Working Machinery for Public or Private Schools, TAFE Colleges and Trade Training Centres in all states of Australia.

The HCM-3000 is a CNC milling machine which is equipped by 3-Axis stepping motors, all 3-Axis have hardened ballscrews. It is standard with a variable speed spindle motor, limit/home switches and easy change spindle.

Converts a standard PC to a fully featured CNC control. Up to 6-Axis control can be achieved, allows direct import of DFX, BMP, JPG and HPGL files to generate the G code. It includes visual G code display as well as multiple programming wizards to provide complex programming techniques into simple to use menu's. The entire machine is driven by the PC.

Features

- 5000rpm maximum spindle speed
- 550 x 160mm table size
- 1000W 240V main spindle motor
- 290mm X-Axis table travel
- 120mm Y-Axis table travel
- 270mm Z-Axis table travel
- 4N Motor of X-Axis
- 4N Motor of Y-Axis
- 6N Motor of Z-Axis
- 230mm throat
- 12mm T-slot size
- Number of T-slots on table is 3
- 0.01mm Position accuracy
- 3MT Spindle taper
- 100-5000rpm Spindle speed
- 5.5NM motor torque @ 1500rpm

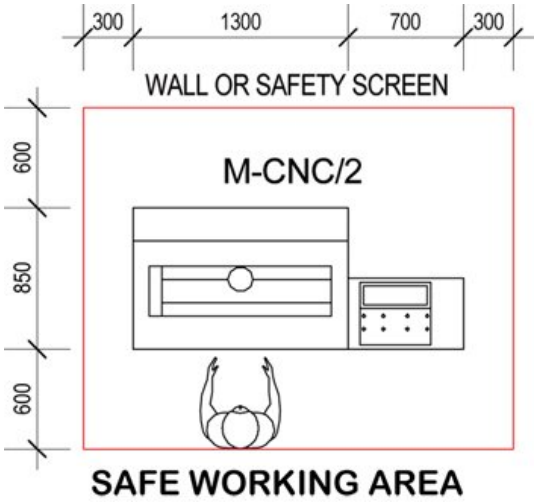
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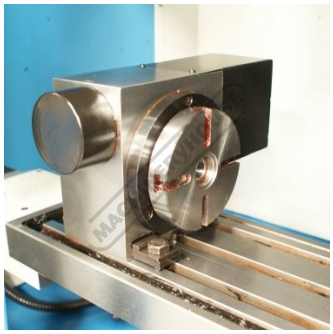
- Dimensions (LxWxH) 110 x 104 x 200cm
- Fully enclosed guarding
- Includes PC with Software pre-loaded, Screen, keyboard and mouse
- 4th Axis (optional)

Includes

- MT3 x ER16 Collet Chuck (C104)
- ER16 Collet Set 1-10mm (C831)
- HSS End Mills 3, 4, 5, 6, 7, 8, & 10mm (M3230 - M3237)
- 73mm Toolmakers Vice (V365)
- 1/2" x 5/8" Tee Nut Set (C084)

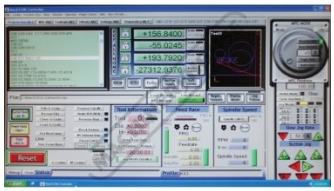


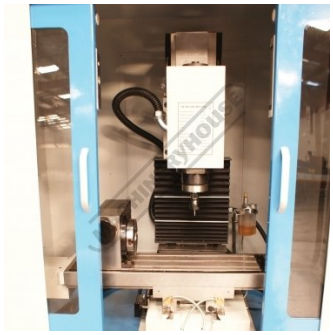
Specific Features

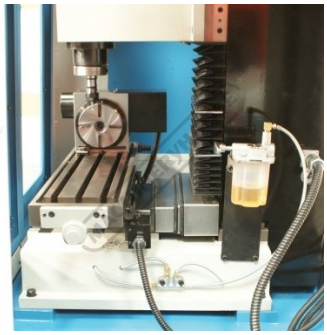

Optional 4th Axis


Computer Hardware


Spindle


Mach 3 Software


Safety Viewing Doors


Machine Side View


Lubrication Pump for Slid Ways


Rear View Enclosed Machine

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Work Light



Emergency Stop Switch



Main Power Switch



MT3 x ER16 Collet Chuck (C104)



ER16 Collet Set 1 10mm (C831)



HSS End Mills 3, 4, 5, 6, 7, 8, & 10mm (M3230 M3237)



73mm Toolmakers Vice (V365)