



# AL-Tuwaijri

Altuwaijri Industrial Equipment co.

Model:

**VH-1000** (380V/60HZ/3PH)

Description:

## CNC VERTICAL MACHINING CENTER



### FEATURES

- BT-40 / CAT40 / DIN40 8000 RPM spindle (Φ150mm). 100% balanced with low vibration performs high precision machining. Air blow function is standard to keep chips from falling into Spindle.

- Optional spindle speed: 10,000 / 12,000 / 15,000 / 24,000 RPM

- Hardened & Ground C3 Double-Nut ballscrews (Φ40mm) are pre-tensioned to minimize backlash, provide high precision movement, and reduce heat deformation on all axes.

- Special design Weight Balance leadscrew with needle bearings for better support and smooth movement.

- Positioning accuracy: ± 0.005mm / 300mm Repeating accuracy: ± 0.003mm / 300mm

Travel	
X / Y / Z travel	1020 / 510 / 560 mm
Spindle nose to table surface	150~710 mm
Spindle center to column surface	575 mm
Table	
Table size	1200 X 500 mm
T slot ( Size / Qty / Dist. )	18 mm X 5 X 100 mm
Max. table load	500 Kgs
Spindle	
Speed	8000 RPM (*10,000~15,000 RPM)
Taper	BT40/DIN40/CAT40
Transmission	Belt
Feed Rate	
Rapid feed rate of XYZ	24 / 24 / 16 M / min
Cutting feed rate	1 ~ 10 M / min
Automatic Tool Changer	
Tool storage capacity	Armless 16 (*Armless 20/ Arm 24)
Max. tool diameter	Full : 100 mm Next empty : 150 mm
Max. tool length	300 mm
Max. tool weight	6 Kgs
CNC Controller & Motor	
CNC controller	Mitsubishi (*FANUC/SIEMENS/HEIDENHAIN)
Spindle motor	5.5 / 7.5 KW ( 10 HP )
Axis motor	2 KW
Coolant	
Coolant pump	0.75 HP
Coolant tank capacity	230 L
Air & Power Supply	
Air source	6 Kg / cm <sup>2</sup>
Power supply	15 KVA
Machine Dimension	
Dimension	2900 X 2420 X 2850 mm
Net weight	5200 Kgs

Code Reference: **MMC-0026**

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