

# YVM-1000/YVM-1000H

## Double Column Vertical Machining Center

Unit:mm(inch)

Item	Specification	Model	YVM-1000	YVM-1000H
Table	Size		1020x510mm(40.2"x20.1")	
	Working Area		1020x510mm(40.2"x20.1")	1020x610mm(40.2"x24")
	T -Slots		18mmx3(0.7"x3)	
	Max. Load Capacity		1000kg(2200 lbs)	
Travel	X Axis		1020mm(40.2")	
	Y Axis		510mm(20.1")	610mm(24")
	Z Axis		450mm(17.7")	500mm(19.7")
	Spindle Nose to Table Surface		150mm~600mm(5.9"~23.6")	150mm~650mm(5.9"~25.6")
	Spindle Center to Cover		400mm(15.7")	
Spindle	Taper		ISO No.40	
	Diameter		70mm(2.8")	
	Max. Speed		Lo/Hi speed : Lo:4300/Hi:12000rpm	
	Transmission		Direct-Drive	
	Speed Ratio		1:1	
	Motor		11Kw/15Kw (15hp/20hp)	
	Max.		FANUC α12/12000i	
ATC	Capacity		24	
	Selection		Bi-Directional	
	Max. Tool Diameter x Length		80mm x300 mm(3.1"x11.8")	
	Max. Tool Weight		8kg(17.6 lbs)	
	Holder Type		BT 40 or V40 CT or V40 ANSI	
	Tool Change Time( Tool to Tool )		1.8sec	
X, Y, Z-axes	Servo Motor X,Y,Z		X/Y 1.6Kw(2.1hp) ; Z 4Kw(5.4hp)	
			FANUC X/Yα8/3000i ; Z α22/3000i	
	Cutting Feed Rate		12000mm/min(472 ipm)	
	Rapid and Jog Feed Rate		36m/min(1417 ipm)	
CNC Controller			FANUC 0iM /18iM	
Motors	Chip Conveyor Motor		188W(0.25hp)	
	Coolant Pump Motor		700W(0.93hp)	
	Coolant Flush Pump Motor		1510W(2.01hp)	
Coolant Tank	Tank Capacity		270L(71.1 gallon)	
	Pump Capacity		50L(13.1 gallon)/min	
Dimension	Floor Space (LxWxH) / w/o Chip Conveyor		3000mm x 2100mm x 2830mm(118.1"x82.7"x111.4")	
	Net Weight		7200kg(15840 lbs)	7500kg(16500 lbs)
	Gross Weight		8200kg(18040 lbs)	8500kg(18700 lbs)

To keep improvement new design, the specifications will change without prior notice.

### Standard accessories

- 1.FANUC 0iM controller
- 2.Spindle speed 12000rpm
- 3.24 tools arm type magazine
- 4.Fully enclosure
- 5.Coolant system
- 6.Flush system
- 7.Spindle cooling system
- 8.Grease lubricating system

- 9.Chip conveyor & cart
- 10.Rigid tapping
- 11.Auto. power off
- 12.T-slots table
- 13.Warning light
- 14.Working light
- 15.Tool kit & box
- 16.Leveling bolts & pads

### Optional accessories

- 1.FANUC 18iM controller
- 2.Spindle speed 15000rpm
- 3.Spindle oil cooler
- 4.Coolant through spindle
- 5.Tool length measurement
- 6.3-axes optical scale
- 7.4<sup>th</sup> axis CNC rotary table
- 8.Transformer