



Vertical Machining Centers - VMC-1300 / 1300HD / 1300-2H



Vertical Machining Centers

ITEM / MODEL	NO.40		VMC-1300-2H		VMC-1300		
	NO.50				1300HD		
Table working surface (mm)	1500 x 750 (59.1" x 29.5")						
Longitudinal travel (X) (mm)	1300 (51")						
Cross travel (Y) (mm)	850 (33.5")						
Vertical travel (Z) (mm)	NO.40		710 (28")		800 (31.5")		
	NO.50		-		710 (28")		
Spindle nose to table (mm)	NO.40		160-870 (6.3"-34.2")		150-950 (5.9"-37.4")		
	NO.50		-		150-860 (5.9"-33.9")		
Spindle center to column (mm)	885 (34.9")				885 (34.9")		
Distance between two spindles (mm)	635 (25")				-		
Spindle taper	BT-40 / CAT-40		For-		BT-50 / CAT-50		
Spindle diameter (mm)	70 (2.75")		VMC-1300 VMC-1600 VMC-1600S VMC-2000S VMC-3000S		100 (4") Auto. HI-Lo Gear 10-4500		
Spindle speed (rpm)	Auto. HI-Lo Gear 80-8000				15 / 18.5		
Spindle motor (kW)	11 / 15	7.5 / 11					
X-Y-Z Rapid traverse (m/min)	18-18-12						
Cutting feed (mm/min)	1-12000						
No. of tools	Armless 24x2				BT-40 / CAT-40: Armless 24, Arm type 24 / 32 (Opt.) BT-50 / CAT-50: Armless 20, Arm type 24 / 32 (Opt.)		
Adjacent pockets Max. tool dia. (mm)	BT-40 / CAT-40, 75 (3")				BT-50 / CAT-50, 125 (5")		
Max. tool diameter (mm)	100 (4")		BT-40 / CAT-40		250 (9.8")		
Max. tool length (mm)	320 (12.5")		For		400 (15.7")		
Max. tool weight (kg)	10 (22 lb)		VMC-1300 VMC-13002H VMC-1600 VMC-1600S VMC-2000S VMC-3000S		15 (33 lb)		
Table load capacity (kg)	3270 (7100 lb)						
Machine weight (kg)	14000 (30800 lb)				13500 (29700 lb)		
Machine Dimensions (LxWxH) (mm)	3800 x 4525 x 3200 (149.6" x 178.1" x 126")				3800 x 4525 x 3480 (149.6" x 178.1" x 137")		
X-Y-Z Ball screw dia.	Ø50, Ø50, Ø50						
Cutting capacity (S45C)	milling (cc/min)	160	180	For		320	For
	drilling (mm)	Ø30	Ø40	VMC-1300 VMC-1600 VMC-1600S VMC-2000S VMC-3000S		Ø52	VMC-1300HD VMC-1600HD VMC-1600SHD VMC-2000SHD VMC-3000SHD
	tapping	M24 x P3.0	M30 x P3.5			M50 x P4.5	

- All data subject to change without notice.
- All the specifications are listed with the FANUC CNC system.

STANDARD ACCESSORIES	OPTIONAL ACCESSORIES
<ol style="list-style-type: none"> 1. Coolant system 2. Spindle air blast 3. Auto lubrication with alarm 4. Halogen working lamp 5. Tools, tool box and various manuals 6. Twin spindle/ Twin ATC (VMC-1300-2H) 7. Screw type chip conveyor 8. Full enclosure splash guard 9. Spindle cooler unit (for VMC-HD,SHD series) 10. FANUC 0iMD Controller 	<ol style="list-style-type: none"> 1. Contact / non-contact tool setting system 2. CNC Rotary table 3. Automatic pallet changer (for VMC-1300/HD) 4. Twin ATC (for VMC-1300) 5. High pressure coolant thru tool tip 6. High pressure coolant thru spindle (20 bar/ 30 bar) 7. Chain type chip conveyor