



Vertical Machining Centers - VMC-1600 / 1600HD / 1600S / 1600SHD



Vertical Machining Centers

ITEM / MODEL	NO.40		VMC-1600		VMC-1600S		
	NO.50		1600HD		1600SHD		
Table Working Surface (mm)			1800 x 750 (70.9" x 29.5")		1800 x 1000 (70.9" x 39.4")		
Longitudinal travel (X) (mm)			1600 (63")				
Cross travel (Y) (mm)			850 (33.5")		1100 (43.3")		
Vertical travel (Z) (mm)	NO.40		800 (31.5")				
	NO.50		710 (28")		800 (31.5")		
Spindle nose to table (mm)	NO.40		150-950 (5.9"-37.4")		150-950 (5.9"-37.4")		
	NO.50		150-860 (5.9"-33.9")				
Spindle center to column (mm)			885 (34.9")		1150 (45.3")		
Spindle taper			BT-40 / CAT-40		BT-50 / CAT-50		
Spindle diameter (mm)			70 (2.75")		100 (4")		
Spindle speed (rpm)			Auto, HI-Lo Gear 80-8000		Auto, HI-Lo Gear 10-4500		
Spindle motor (kW)	11 / 15		7.5 / 11		15 / 18.5		
X-Y-Z Rapid traverse (m / min)			18-18-12				
Cutting feed (mm / min)			1-12000				
No. of tools			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 VMC-1300 VMC-13002H VMC-1600 VMC-1600S VMC-2000S VMC-3000S		400 (15.7")		
Max. tool weight (kg)	10 (22 lb)				15 (33 lb)		
Table load capacity (kg)			4600 (10000 lb)				
Machine weight (kg)			17500 (38500 lb)		18600 (40920 lb)		
Machine Dimensions (L x W x H) (mm)			4500 x 4525 x 3480 (177.2" x 178.1" x 137")		4500 x 5330 x 3250 (177.2" x 209.8" x 128")		
X-Y-Z Ball screw dia.			Ø50, Ø50, Ø50		Ø50, Ø63, 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