



Vertical Machining Centers - VMC-1050



Vertical Machining Centers

ITEM \ MODEL		VMC-1050
Table working surface (mm)		1200 x 500 (47.2" x 19.7")
Longitudinal travel (X) (mm)		1050 (41.3")
Cross travel (Y) (mm)		500 (19.7")
Vertical travel (Z) (mm)		610 (24")
Spindle nose to table (mm)		100 ~710 (3.94"-28")
Spindle to column (mm)		550 (21.7")
Spindle taper		BT-40, CAT-40 / BBT-40, HSK A63 (Opt.)
Spindle speed (rpm)		60-8000
Spindle motor (kW)		5.5 / 7.5 P motor (Std.) 5.5 / 7.5 Hi-Lo Gear (Opt.)
X-Y-Z Rapid traverse (m / min)		30 / 30 / 20
Cutting feed (mm / min)		1-12000
Tool Selection		Bi-direction random type, Shortest path
No. of tools		Armless 24 Arm type 24 / 32 (Opt.)
Adjacent pockets max. tool dia. (mm)		75 (3")
Max. tool diameter (mm)		100 (4")
Max. tool length (mm)		300 (12")
Max. tool weight (kg)		10 (22 lb)
Table load capacity (kg)		400 (880 lb)
Machine weight (kg)		6000 (13200 lb)
Machine dimensions (LxWxH) (mm)		2920 x 2200 x 2698 (115" x 86.6" x 106.2")
X-Y-Z Ball screw dia.		Ø40, Ø40, Ø40
Cutting capacity (S45C)	milling (cc / min)	120
	drilling (mm)	Ø30
	tapping	M30 x P3,5

- 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"> Coolant system Spindle air blast Auto lubrication with alarm Tools, tool box and various manuals Halogen working lamp and leveling pads Screw type chip conveyor Chip flushing coolant Full enclosure splash guard FANUC 0iMD controller 	<ol style="list-style-type: none"> Contact/Non-contact tool setting system CNC Rotary table Automatic pallet changer (A.P.C) High pressure coolant thru tool tip High pressure coolant thru spindle (20 bar/30 bar or more) Arm type ATC 24/32 tools(No.40, No.50, HSK) Chain type chip conveyor Cartridge spindle (10000/12000/14000 rpm for BT / CAT-40 spindle) Direct driving spindle (12000/15000 rpm for BT / CAT-40 spindle) High-speed built-in spindle (15000 rpm for BBT-40 spindle; 15000/18000/24000 rpm for HSK A63 spindle)

SPRUE

11. Internal cooling ballscrew
12. Manual guide *ii* 0i (0iMD); Manual guide *i* (18i MB/21i MB)
13. Electronic compensation of thermal expansion



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