

**V E R T I C A L
M A C H I N I N G C E N T E R S
I N S T R U C T I O N M A N U A L**

MODEL NO : VMC-1300

S/O NUMBER : V151020

TYPE OF CONTROLLER : FANUC 18M-C

SERIAL NUMBER : VQ2099

**ROUNDTOP MACHINERY INDUSTRIES CO.,LTD.
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1-1 MACHINE SPECIFICATIONS



MODEL		VMC-1300	VMC-1300HD
SPECIFICAT			
Table working surface		59"X28" (1500X710mm)	
Longitudinal travel(X)		51.2"(1300mm)	
Cross travel(Y)		33.5"(850mm)	
Vertical travel(Z)		31.5"(800mm)	28"(710mm)
Spindle nose to table		6.3"~37.8"(160~960mm)	6.3"~34.2"(160~870mm)
Spindle center to column		34.8"(885mm)	
Distance between two spindles			
Spindle taper		BT-40/CAT-40	BT-50/CAT-50
Spindle diameter		2.75"(70mm)	3.5"(100mm)
Spindle speed		Auto. Hi-Lo Gear 80-8000rpm	Auto. Hi-Lo Gear 10-4500rpm
Spindle motor		14.7HP(30mim)/10HP(cont.)	25HP(30mim/20HP(cont.)
X-Y-Z Rapid traverse		15-15-12M/min	
Spindle feed		1-8000mm/min	
Coolant pump motor		GRUNDFOS 2.1HP(P:3.5kg/cm ² , Q:100l/min)	
Tool selection		Bi-direction random type, Shortest path	
No. of tools		24 Armless, 24/32 Arm	Armless20,24Armtype 32Arm(opt.)
Max. tool diameter		3"(75mm)	5"(127mm)
Max. tool length		12.5"(320mm)	15.7"(400mm)
Max. tool weight		22 Lbs(10kgs)	33 Lbs(15kgs)
Table load capacity		7100 Lbs(3270kgs)	
Machine weight		29700 Lbs(13500kgs)	
Floor space		177.2"X178.1"(4500X4525mm)	
X-Y-Z Ball screw dia.		φ50, φ50, φ50	
Cutting capacity S45C	Milling(cc/min)	120	320
	Drilling(φmm)	φ40	φ52
	Tapping(mm)	M30XP3.5	M50XP4.5

*Specifications subject to change without prior notice.