

# **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-1050**

**S/O NUMBER : V45106010**

**TYPE OF CONTROLLER : FANUC 0iMF**

**SERIAL NUMBER : MLB170617**

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## 1-1 MACHINE SPECIFICATIONS

MODEL		VMC-850	VMC-1050
SPECIFICATION			
Table working surface		39.4"x19.7"(1000mmx500mm)	37.2"X19.7"(1200mmX500mm)
Longitudinal travel(X)		31.5"(800mm)	41.3"(1050mm)
Cross travel(Y)		19.7"(500mm)	
Vertical travel(Z)		24"(610mm)	
Spindle nose to table		3.94"~28"(100~710mm)	
Spindle center to column		21.7"(550mm)	
Spindle taper		BT#40/CAT#40	
Spindle diameter		2.56"(65mm)	
Spindle speed		No.40 60-8000rpm(Opt. 10000/12000rpm)	
Spindle motor		5.5/7.5kW P motor (Std.);11/15 kW P motor (Opt.) ; 7.5/11kW Hi-Lo Gear (Opt.)	
X-Y-Z Rapid traverse		30-30-20M/min	
Cutting feed		1-12000mm/min	
Tool selection		Bi-direction random type, Shortest path	
No. of tools		Armless24(Std.)/Arm type 24/32(Opt.)	
Adjacent pockets max. tool dia		3"(75mm)	
Max. tool diameter		4"(100mm)	
Max. tool length		12.6"(320mm)	
Max. tool weight		22 Lbs(10kgs)	
Table load capacity		880 Lbs(400kgs)	
Machine weight		12100 Lbs(5500kgs)	13200LbS(6000kgs)
Floor space		92.5"x126"(2350x3200mm)	115"x126"(2920x3200mm)
X-Y-Z Ball screw dia		φ40, φ40, φ40	
Cutting capacity S45C	Milling(cc/min)	120	
	Drilling(φmm)	φ30	
	Tapping(mm)	M30xP3.5	

\*Specifications Subject To Change Without Prior Notice.