



TECHNICAL SPECIFICATIONS OF VERTICAL MACHINES CENTRE VMC850 , VMC1050 , VMC1250

ITEM \ MODEL	UNIT	VMC 850	VMC 1050	VMC 1250
Table working surface	mm	500 ×1000	500 ×1200	500 ×1220
Longitudinal travel (X)	mm	800	1050	1143
Cross travel (Y)	mm	500		530
Vertical travel (Z)	mm	610		640
Spindle nose to table	mm	100~710		150~790
Spindle center to column	mm	550		
Spindle taper	mm	BT40		
Spindle speed	rpm	60~8000		
Spindle motor	Kw	9/12		9/12 (Hi-Low gear box)
Guideway		Linear guide way		Box way
X-Y-Z Rapid traverse	m/min	36/36/30		30/30/20
Servo motor(X, Y, Z axes) (Mo)	Nm / rpm	16 / 3000		
Coolant pump motor		2.1HP (P:3.5kg/Cm ² , Q100L/min)		
Tool changer & Tool Magazine type		Umbrella / Pneumatic		
Cutting feed	mm/min	1~8000		
No. of tools		24		
Adjacent pockets max. tool dia.	mm	75		
Max. tool dia.(without Adjacent tools)	mm	100		
Max. tool length	mm	320		
Max. tool weight	Kg	10		
Table load capacity	Kg	600	800	1500
Machine weight	Kg	5500	6000	7270
Floor space	mm	2350×3200	2920×3200	2800×3300
X-Y-Z Ball screw dia.	mm	Ø30		
Cutting Capacity	Milling	120 cc/min		180 cc/mm
	Drilling	Ø30		
For CK45	Tapping	M30 × P3.5		
Power supply		380V-50Hz-3ph		
Possible for 4th axis		Yes		

Features

- Meehanite cast iron.
- Siemens System Controller. 10.4" LCD Color screen.
- 4 heavy-duty box ways on Y-axis only for VMC1250
- Hardening guide ways
- Turcite-B on are coated 3 axes not for VMC850
- ZF Gear Box only for VMC1250
- Belt type spindle.
- Up to φ 40,40,40 for X, Y, Z Axis Ball Screw Diameter
- P4 Class bearings.
- Directly connected ball screw and AC servo motors.
- Automatic Tool Change (ATC) is Pneumatic system
- Screw Type Chip Conveyor
- Spindle taper air below
- Counterbalance
- Automatic Lubricating
- Coolant System
- Air Blow/ Cutting Fluid

Standard Accessories

- Remote control MPG
- Port RS232
- Alarm Lamp
- Tool for Adjustment
- Transformer
- Heat exchanger for electrical cabinet
- Working Lamp
- Working Table Splashier
- Vertical Adjusting Bolt and Pad
- 1 year mechanism warranty
- 5 years technical support
- Screw Type Chip Conveyor
- Instruction handbook
- Rigid Tapping
- Fully- enclosed Splash Guard
- Screw Type Chip Conveyor

Options

- CNC Rotary Table
- 4th axis interface preparation (inner wiring and software)
- Renishaw TS27 tool measurement & breakage delective offset intalled automatically)
- Chip Flushing Coolant
- Coolant flush gun or air gun
- Chip Box