

VERTICAL MACHINING CENTERS VMC SERIES

STANDARD FEATURES

- FANUC cnc controller
- High accuracy ball screws and linear guideway
- Fast and Reliable tool changer
- Full cover design
- High torque and speed spindle
- Complete CE or UL, CSA standard
- 220v/60hz/3ph



TECHNICAL SPECIFICATIONS

TABLE	UNITS	VMC 1000/1100	VMC 1300/1600/2100
X Axis	mm in	990.6/1092 38.7/43	1295/1574/2108 51/62/83
Y Axis	mm in	609 24	685/787 27/31
Z Axis	mm in	647.7/650.2 25.5 / 25.6	685/787 27/31
Spindle Nose to Table (max)	mm in	800 31.5	838/939/990 33/37/39
Spindle Nose to Table (min)	mm in	149.8 5.9	149.8/139.7/200.6 5.9/5.5/7.9

Table Length	mm in	1193x500 / 1295x609 47X19.7 / 51X24	1397x698 / 1701x787 / 2184x787 55X27.5 / 67X31 / 86x31
T-Slot Width	mm in	180.3 7/10	180.3/22/21.8 7/10 /0.87 / 0.86
T-Slot Center Distance	mm in	101.6 4	124.4/139.7/ 200 4.9 / 5.5 / 7.9
Number of Std T-Slots	-	5	5
Max Weight on Table	kg lb	898 1980	2000/3000 4410/6615
Max Rating	kw hp	14.9 20	14.9 20
Max Speed	-	8000 rpm	8000 rpm
Max Torque	-	70ft-lb	70ft-lb
Drive System	-	Synchronous-belt transmission	Synchronous-belt transmission - Inline Direct-Drive
Max Torque w/opt Gearbox	-		280ft-lb
Taper	-	CT or BT 40	CT or BT 40
Bearing Lubrication	-	Air/Oil Injection	Air/Oil Injection
Cooling	-	Liquid Cooled	Liquid Cooled
Rapids on X	mm/min in/min	31750 1250	24003/18034 945/710
Rapids on Y	mm/min in/min	31750 1250	24003/18034 945/710
Rapids on Z	mm/min in/min	29970 1180	24003/18034 945/710
Max Cutting	mm/min in/min	19989 787	10007 394
Max Thrust X, Y	kg lb	720 1588	720/792/1057 1588/1748/2331
Max Thrust Z	kg lb	791 1746	720/3348 1588 /2383
Tool Changer Capacity	-	24	24
Max Tool Diameter (full)	mm in	76.2/80 3 / 3.15	76.2/80 3 / 3.15
Max Tool Weight	kg lb	7.03/7.05 15.5 / 15.55	7.05 15.55
Tool-to-Tool (avg)	-	2.5sec	2.5sec
Chip-to-Chip (avg)	-	3sec	3sec
Air Required	-	12.38 scfm/72.5-101.5psi	12.38 scfm/72.5-101.5psi - 350l/min,0.5-0.7mpa
Coolant Capacity	-	53gal	66 gal - 80 gal - 90 gal