

	VM2515	VM3018	VM4020	VM5025XP	VM6030XP
<b>SPECIFICATIONS:</b>					
<b>CAPACITY:</b>					
Travels	25 x 15 x 20" (635 x 381 x 508 mm)	30 x 18 x 20" (762 x 457 x 508 mm)	40 x 20 x 20" (1016 x 508 x 508 mm)	50 x 25 x 24 (1270 x 635 x 610 mm)	60 x 30 x 24 (1524 x 762 x 610 mm)
Table Size	30 x 16" (762 x 406 mm)	34 x 18" (864 x 457 mm)	46 x 20" (1168 x 508 mm)	54 x 25" (1372 x 635 mm)	66 x 30" (1676 x 762 mm)
Allowable Table Load	1500 lbs. (682 kg)	1750 lbs. (794 kg)	2000 lbs. (907 kg)	3000 lbs (1360 kg)	3000 lbs (1360 kg)
T-Slot Size	.71" (18 mm)	.71" (18 mm)	.71" (18 mm)	.7" (18 mm)	.7" (18 mm)
<b>SPINDLE:</b>					
Spindle Nose To Table Distance	4-24" (101-610 mm)	4-24" (101-610 mm)	4-24" (101-610 mm)	6-30" (152-762 mm)	4-28" (100-710 mm)
Column To Spindle Center	16" (406 mm)	20.25" (514 mm)	20.25" (514 mm)	28.7" (729 mm)	31.5" (800 mm)
Spindle Taper	BIG-PLUS® ISO No. 40	BIG-PLUS® ISO No. 40	BIG-PLUS® ISO No. 40	ISO No. 50	ISO No. 50
Standard Spindle Speed	10,000 RPM	10,000 RPM	10,000 RPM	8,000 RPM	8,000 RPM
AC Spindle Motor	15/10 HP (11/7.5 kW)	20/15 HP (15/11 kW)	20/15 HP (15/11 kW)	24/15 HP (18/11 kW)	24/15 HP (18/11 kW)
Spindle Torque	54 ft-lbs (73 N.m)	75 ft-lbs (102 N.m)	75 ft-lbs (102 N.m)	255 ft-lbs (345 N.m)	255 ft-lbs (345 N.m)
<b>OPTIONAL AUTOMATIC TOOL CHANGER:</b>					
Number of Tools	20 Double Arm	20 Double Arm	20 Double Arm	30 Double Arm	30 Double Arm
Tool Shank	CT40	CT40	CT40	CT50	CT50
Pull Stud	MAS 60° Retention Knob Style CT-Flang	MAS 60° Retention Knob Style CT-Flang	MAS 60° Retention Knob Style CT-Flang	ANSI 45° Retention Knob Style CT-Range	ANSI 45° Retention Knob Style CT-Range
Max. Tool Diameter	3.5" (89 mm)	3.5" (89 mm)	3.5" (89 mm)	4.9" (125 mm)	4.9" (125 mm)
Max. Tool Length	9.8" (250 mm)	9.8" (250 mm)	9.8" (250 mm)	11.8" (300 mm)	11.8" (300 mm)
Max. Tool Weight	15 lbs (7 kg)	15 lbs (7 kg)	15 lbs (7 kg)	33 lbs (15 kg)	33 lbs (15 kg)
<b>MOTION:</b>					
X/Y/Z Axis Rapid Traverse Rate	945 IPM (24 m/min)	945 IPM (24 m/min)	945 IPM (24 m/min)	1000/787 IPM (25/20 m/min)	1000/787 IPM (25/20 m/min)
Max. Cutting Feed Rate	500 IPM (12.5 m/min)	500 IPM (12.5 m/min)	500 IPM (12.5 m/min)	500 IPM (12.7 m/min)	500 IPM (12.7 m/min)
Least Command Increment	0.0001" (0.001 mm)	0.0001" (0.001 mm)	0.0001" (0.001 mm)	0.0001" (0.001 mm)	0.0001" (0.001 mm)
Positioning Accuracy	+/- 0.0002" (+/- 0.005 mm)	+/- 0.0002" (+/- 0.005 mm)	+/- 0.0002" (+/- 0.005 mm)	+/- 0.0002" (+/- 0.005 mm)	+/- 0.0002" (+/- 0.005 mm)
Axis Thrust Force XY,Z	1735/2884 lbs (787/1308 kg)	1735/2884 lbs (787/1308 kg)	3765/2884 lbs (1707/1308 kg)	6065/6065/9531 lbs (2750/2750/4325 kg)	6065/6065/9531 lbs (2750/2750/4325 kg)
<b>GENERAL:</b>					
Machine Height	101" (2565 mm)	102" (2570 mm)	102" (2570 mm)	123" (3124 mm)	123" (3124 mm)
Floor Space Required (W x D)	76 x 101" (1906 x 2553 mm)	93 x 110" (2351 x 2777 mm)	100 x 110" (2537 x 2777 mm)	128 x 108" (3251 x 2627 mm)	150 x 115" (3810 x 2921 mm)
Machine Weight	6,200 lbs (2818 kg)	9,000 lbs (4100 kg)	9100 lbs. (4125 kg)	38" (965 mm)	38" (965 mm)
Power Required	16 KVA / 40 Amps	20 KVA / 50 Amps	20 KVA / 50 Amps	20,100 lbs (9136 kg)	22,267 lbs (10,100 kg)
Voltage Required	208-240 Volts/3 Phase	208-240 Volts/3 Phase	208-240 Volts/3 Phase	208-240 Volts/3 Phase	208-240 Volts/3 Phase