

VM6030XP

- Vertical Machining Center
- Table : 66" x 30"
- Travels : 60" x 30" x 24"
- Control : 9000



Shown with options



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SPECIFICATIONS:

CAPACITY:

Travels	60 x 30 x 24 (1524 x 762 x 610 mm)
Table Size	66 x 30" (1676 x 762 mm)
Allowable Table Load	3000 lbs (1360 kg)
T-Slot Size	.7" (18 mm)
Number of T-Slots	7
T-Slot Distance	3.94" (100 mm)

SPINDLE:

Spindle Nose Line to Table Distance	4-28" (100-710 mm)
Column to Spindle Center	31.5" (800 mm)
Spindle Taper	ISO No. 50
Standard Spindle Speed	8,000 RPM
Standard AC Spindle Motor	24/15 HP (18/11 kW)
Optional AC Spindle Motor	35/25 HP (26/18 kW)
Standard Spindle Torque	255 ft-lbs (345 N.m)
Optional Spindle Torque	365 ft-lbs (495 N.m)

AUTOMATIC TOOL CHANGER:

Number of Tools	30 Double Arm
Tool Shank	CT50
Pull Stud	ANSI 45° Retention Knob Style CT-Range
Max. Tool Diameter	4'.9" (125 mm)
Max. Tool Length	11.8" (300 mm)
Max. Tool Weight	33 lbs (15 kg)

MOTION:

X/Y/Z Axis Rapid Traverse Rate	1000 / 787 IPM (25/ 20 m/min)
Max. Cutting Feed Rate	500 IPM (12.5 m/min)
Least Command Increment	0.0001" (0.001 mm)
Positioning Accuracy	+/- 0.0002" (+/- 0.005 mm)
Repeatability	+/- 0.0002" (+/- 0.005 mm)
Axis Thrust Force XYZ	6065/6065/9531 lbs (2750/2750/4325 kg)

GENERAL:

Machine Height	123" (3124 mm)
Floor Space Required (W x D)	150 x 115" (3810 x 2921 mm)
Additional Width for Auger/Conveyor	38" (965 mm)
Machine Weight	22,267 lbs (10,100 kg)
Power Required	38 KVA / 100 Amps
Optional Power Required	48 KVA / 125 Amps
Voltage Required	208-240 Volts/3 Phase



9000 CNC

The new standard of control

With its conversational programming, onscreen help, intuitive menus, color graphics and prompted tool settings, the 9000 CNC helps new operators train faster and become more productive sooner. It's a window based platform runs parts programmed conversationally or tool paths generated by a CAM system.

CONTROL STANDARDS:

- Milltronics 9000 CNC includes 120 GB solid state hard drive
- Windows® Intel i5 Dual Core processor
- Enhanced CPU with block processing speed of 3000 bps with enhanced jerk control and look ahead
- 15" color resistive touch screen (LED backlit) 1024 x 768 resolution, driven by a high-end 600 Mhz graphics card featuring an on-board CPU and 1 GB video memory
- Auto DXF file import
- 3D part and wire frame tool path graphics plus solid modeling graphics
- Conversational, G&M code or CAD/CAM programming including coordinate rotating, scaling, mirror image, thread mill, engraving, helical interpolation, auto routines, user definable macros, trig assist and irregular pocket clearing
- Management software that allows editing of large program files at the machine
- MTConnect compliant
- Networking
- Two USB ports
- Mid-travel with tactile feedback keys

MACHINE FEATURES:

MACHINE STANDARDS:

- Heavily ribbed one piece fine grain cast iron construction
- Fully enclosed machine guard with side doors
- 45 mm linear way technology
- Precision ground anchored double nut ballscrews
- Precision ground table surface
- Telescopic metal way covers
- 24 pocket double arm ATC
- BIG-PLUS® dual contact inline spindle
- Automatic positive displacement lubrication system
- High torque AC digital servo drives
- High torque closed loop vector spindle drive system
- Dual work lights
- LCD hour meter
- Spindle taper blow-out and tool release push button
- Single spare "M" function with CNC "wait" channel
- Programmable on/off flood coolant system
- Rigid tap
- Edit key lockout switch
- Spindle load meter
- Feedrate and spindle speed overrides
- Spindle air purge
- End of cycle light
- Chip conveyor chip removal system
- Remote handwheel
- Air gun
- Coolant wash down gun

MACHINE OPTIONS:

- Coolant through spindle system
- Work offset probing
- 4th axis options
- Auxiliary industrial grade keyboard
- Electronic spindle chiller
- BT style tooling
- 15,000 RPM spindle
- 40 pocket ATC
- 35/25 HP upgrade

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