

VM5025XP

- Vertical Machining Center
- Table : 54" x 25"
- Travels : 50" x 25" x 24"
- Control : 9000



Shown with options



MILLTRONICS USA
LET'S INVENT

SPECIFICATIONS:

CAPACITY:

Travels	50 x 25 x 24 (1270 x 635 x 610 mm)
Table Size	54 x 25" (1372 x 635 mm)
Allowable Table Load	3000 lbs (1360 kg)
T-Slot Size	.7" (18 mm)
Number of T-Slots	6
T-Slot Distance	3.94" (100 mm)

SPINDLE:

Spindle Nose Line to Table Distance	6-30" (152-762 mm)
Spindle Taper	#50 – Supports BIG-PLUS® Tools
Standard Spindle Speed	8,000 RPM
Standard AC Spindle Motor	35/25 HP (26/18 kW)
Standard Spindle Torque	365 ft-lbs (495 Nm)

AUTOMATIC TOOL CHANGER:

Number of Tools	30 Double Arm
Tool Shank	CT50 – Supports BIG-PLUS® Tools
Max. tool diameter/ adjacent pot empty	4.9" / 8.7" (125 mm / 220 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 (12.7 m/min)
Least Command Increment	0.0001" (0.001 mm)
Positioning Accuracy	+/- 0.0002" (+/- 0.005 mm)
Repeatability	+/- 0.0002" (+/- 0.005 mm)
X axis thrust (peak)	6065 lbs. (2750 kg)
Y axis thrust (peak)	6065 lbs. (2750 kg)
Z axis thrust (peak)	9531 lbs. (4325 kg)

GENERAL:

Machine Height	123" (3124 mm)
Floor Space Required (W x D)	128 x 108" (3251 x 2627 mm)
Additional Width for Conveyor Discharge	37" (918 mm)
Machine Weight	20,100 lbs (9136 kg)
Power Required	38 KVA / 100 Amps
Voltage Required	208-240 Volts/3 Phase

MACHINE STANDARDS:

- Milltronics 9000 CNC control
- 15" color LCD touch screen display
- Linear Roller guide way construction
- 30 pocket double arm ATC
- 8,000 RPM belt-driven spindle
- CAT #50 taper
- 35/25 HP dual speed spindle motor
- Spindle load meter
- Spindle air purge
- Automatic positive displacement lubrication system
- Chip conveyor chip removal system
- Chip wash down system
- Full enclosure with side doors
- Flood coolant with oversized tank and 8 nozzle spindle coolant ring
- 1000 ipm rapid traverse rate
- Dual enclosure work lights
- Rigid tapping
- Spare "M" function
- Solid model graphic display
- 120 GB solid state hard drive
- DXF file import



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 backlight) 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

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