

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)
Column to Spindle Center	28.7" (729 mm)
Spindle Taper	ISO No. 50
Standard Spindle Speed	8,000 RPM
Standard AC Spindle Motor	24/15 HP (18/11 kW)
Standard Spindle Torque	255 ft-lbs (345 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 (12.7 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)	128 x 108" (3251 x 2627 mm)
Additional Width for Auger/Conveyor	38" (965 mm)
Machine Weight	20,100 lbs (9136 kg)
Power Required	38 KVA / 100 Amps
Voltage Required	208-240 Volts/3 Phase

MACHINE FEATURES:

MACHINE STANDARDS:

- Heavily ribbed one-piece fine grain cast iron construction
- 45 mm Linear Roller Way Technology on all axes
- Heavy-duty belt drive with Dual Wound AC spindle motor
- Pre-tensioned ballscrews double nut pre-loaded and anchored at both ends with direct coupled AC digital servo drives
- Precision ground table surface
- Fully enclosed machine guard with side doors
- Telescopic metal way covers
- 30 station swing-arm ATC
- Spindle taper blow-out and tool release push button
- Rigid tap
- Automatic positive displacement lubrication system
- Work light
- LCD hour meter
- Single spare "M" function with CNC "wait" channel
- Edit key lockout switch
- Spindle load meter
- Feedrate and spindle speed overrides
- End of cycle light
- Height adjustable control
- Remote handwheel
- Programmable on/off flood coolant system with coolant ring and 115 gallon tank
- Chip management washdown system
- Lift-up type chip conveyor
- Air blast hose and chip washdown gun

MACHINE OPTIONS:

- 35/25 horsepower upgrade
- CTS ready
- Coolant Thru Spindle (CTS) options
- Programmable spray mist
- BT tooling
- Tool and part probes
- 4th axis options



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

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