

VM5020EZ

- Vertical Machining Center
- Table : 52" x 20"
- Travels : 50" x 20" x 20"
- Control : 9000



Shown with options



MILLTRONICS USA
LET'S INVENT

SPECIFICATIONS:

CAPACITY:

Travels	50 x 20 x 20" (1270 x 508 x 508 mm)
Table Size	52 x 20" (1321 x 508 mm)
Allowable Table Load	2000 lbs. (907 kg)
T-Slot size - 5 total	0.71" (18 mm) on 3.94" (100 mm) centers

SPINDLE:

Spindle Nose To Table Distance	9.9" – 29.9" (251 - 759 mm)
Way cover to spindle center	20.5" (521 mm)
Spindle Taper	ISO No. 40
Standard Spindle Speed	10,000 RPM
AC Spindle Motor	20/15 HP (15/11 kW)
Spindle Torque	75 ft-lbs (102 N.m)

OPTIONAL AUTOMATIC TOOL CHANGER:

Number of Tools	20 Double Arm
Tool Shank	CT40 – Supports BIG-PLUS® Tools
Pull Stud	MAS 60° Retention Knob Style CT-Flange 40 Taper
Max. Tool Diameter	3.5" (89 mm)
Max. Tool Length	9.8" (250 mm)
Max. Tool Weight	15 lbs (7 kg)

MOTION:

X/Y/Z Axis Rapid Traverse Rate	945 IPM (24 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)
X axis thrust (peak)	3765 lbs. (1707 kg)
Y axis thrust (peak)	3765 lbs. (1707 kg)
Z axis thrust (peak)	2884 lbs. (1308 kg)

GENERAL:

Machine Height	107" (2725 mm)
Floor Space Required (W x D)	162" x 125" (4115 x 3175 mm)
Machine Weight	9600 lbs. (4364 kg)
Power Required	20 KVA / 50 Amps
Voltage Required	208-240 Volts/3 Phase

MACHINE STANDARDS:

- Milltronics 9000 CNC control
- 15" color LCD touch screen display
- 20 pocket double arm ATC
- 10,000 RPM spindle
- BIG-PLUS® dual contact spindle
- 20/15 HP spindle motor
- Spindle load meter
- Spindle air purge
- Automatic positive displacement lubrication system
- Full enclosure with side doors
- Flood coolant
- 945 ipm rapid traverse rate
- 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 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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