

VM4222IL

- Vertical Machining Center
- Table : 46" x 22"
- Travels : 42" x 22" x 24"
- Control : 9000



Shown with options



MILLTRONICS USA
LET'S INVENT

SPECIFICATIONS:

CAPACITY:

Travels	42 x 22 x 24" (1067 x 559 x 610 mm)
Table Size	46 x 22" (1168 x 559 mm)
Allowable Table Load	3000 lbs. (1360 kg)
T-Slot Size	.71" (18 mm)

SPINDLE:

Spindle Nose To Table Distance	5-29" (125-735 mm)
Column To Spindle Center	25.5" (648 mm)
Spindle Taper	ISO No. 40
Standard Spindle Speed	10,000 RPM
AC Spindle Motor	24/15 HP (18/11 kW)
Spindle Torque	84 ft-lbs (114 N.m)

OPTIONAL AUTOMATIC TOOL CHANGER:

Number of Tools	24 Double Arm
Tool Shank	CT40 – Supports BIG-PLUS® Tools
Pull Stud	MAS 60° Retention Knob Style CT-Flange 40 Taper
Max. Tool Diameter	3.1" (80 mm)
Max. Tool Length	11.8" (300 mm)
Max. Tool Weight	15 lbs (7 kg)

MOTION:

X/Y/Z Axis Rapid Traverse Rate	1200, 1000 IPM (30, 25 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)	6020 lbs. (2730 kg)
Y axis thrust (peak)	6020 lbs. (2730 kg)
Z axis thrust (peak)	8575 lbs. (3900 kg)

GENERAL:

Machine Height	121" (3060 mm)
Floor Space Required (W x D)	111 x 116" (2800 x 2935 mm)
Additional Width for Conveyor	29" (730 mm)
Machine Weight	14,775 lbs. (6702 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
- 24 pocket double arm ATC
- 10,000 RPM inline spindle
- BIG-PLUS® dual contact spindle
- 24/15 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
- 1200 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 Windows® 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
- Offline FastCAM software for programming and training

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