

VM3018IL

- Vertical Machining Center
- Table : 34" x 18"
- Travels : 30" x 18" x 22"
- Control : 9000



Shown with options



MILLTRONICS USA
LET'S INVENT

SPECIFICATIONS:

CAPACITY:

Travels	30 x 18 x 22" (762 x 457 x 559 mm)
Table Size	34 x 18" (864 x 457 mm)
Allowable Table Load	3000 lbs. (1360 kg)
T-Slot Size	.71" (18 mm)

SPINDLE:

Spindle Nose To Table Distance	6-28" (152-712 mm)
Column To Spindle Center	23.25" (590 mm)
Spindle Taper	BIG-PLUS® 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
Pull Stud	MAS 60° Retention Knob Style CT-Flang
Max. Tool Diameter	3.1" (80 mm)
Max. Tool Length	11.8" (300 mm)
Max. Tool Weight	15 lbs (7 kg)

MOTION:

XY/Z Axis Rapid Traverse Rate	1200, 1000 IPM (30, 25 m/min)
Max. Cutting Feed Rate Least	500 IPM (12.5 m/min)
Command Increment	0.0001" (0.001 mm)
Positioning Accuracy	+/- 0.0002" (+/- 0.005 mm)
Repeatability	+/-0.0002" (+/-0.005mm)
Axis Thrust Force XYZ	3425, 6020, 8575 lbs (1554, 2730, 3900 kg)

GENERAL:

Machine Height	119" (3025 mm)
Floor Space Required (W x D)	86 x 106" (2180 x 2685 mm)
Additional Width for Conveyor	29" (730 mm)
Machine Weight	10,700 lbs. (4850 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
 - Fully enclosed machine guard with side doors
 - 35/45 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



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
- Offline FastCAM software for programming and training

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