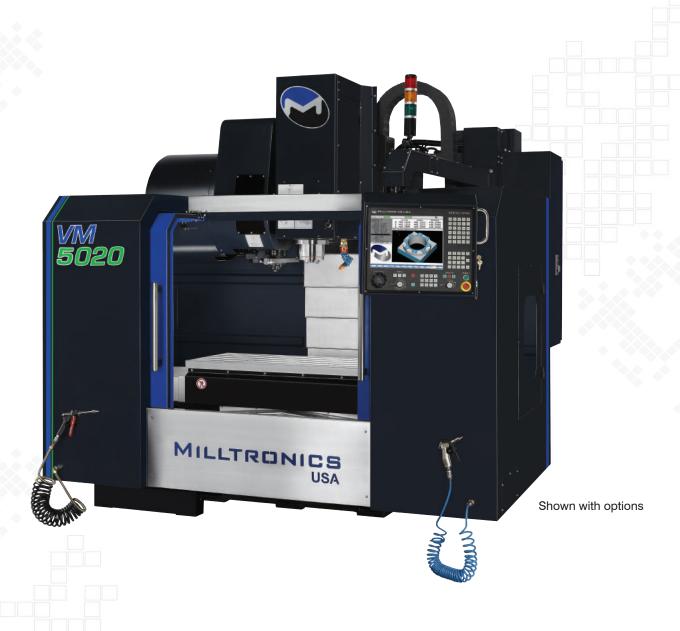
# VW5020

- Vertical Machining Center

- Table : 52" x 20"

- Travels : 50" x 20" x 20"

- Control: 9000









# VW5020

# SPECIFICATIONS:

# CAPACITY:

Travels Table Size Allowable Table Load T-Slot Size

52 x 20" (1321 x 508 mm) 2000 lbs. (907 kg) .71" (18 mm)

# SPINDLE:

Spindle Nose To Table Distance Column To Spindle Center Spindle Taper Standard Spindle Speed AC Spindle Motor Spindle Torque

4-24" (101-610 mm) 20.25" (514 mm) BIG-PLUS® ISO No. 40 10.000 RPM 20/15 HP (15/11 kW)

#### OPTIONAL AUTOMATIC TOOL CHANGER:

Number of Tools Tool Shank Pull Stud Max. Tool Diameter Max. Tool Length Max. Tool Weight

20 Double Arm

75 ft-lbs (102 N.m)

CT40

MAS 60° Retention Knob Style CT-Flang

50 x 20 x 20" (1270 x 508 x 508 mm)

3.5" (89 mm) 9.8" (250 mm) 15 lbs (7 kg)

# MOTION:

X/Y/Z Axis Rapid Traverse Rate Max. Cutting Feed Rate **Least Command Increment** Positioning Accuracy Axis Thrust Force XY,Z

945 IPM (24 m/min) 500 IPM (12.5 m/min) 0.0001" (0.001 mm) +/- 0.0002" (+/- 0.005 mm) 3765/2884 lbs (1707/1308 kg)

# GENERAL:

Voltage Required

Machine Height Floor Space Required (W x D) Machine Weight **Power Required** 

112 x 110" (2828 x 2777 mm) 9400 lbs. (4270 kg) 20 KVA / 50 Amps 208-240 Volts/3 Phase

102" (2570 mm)



# 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:**

- 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) Management software that allows editing of 1024 x 768 resolution, driven by a high-end 600 Mhz graphics card featuring an on-board • MTConnect compliant CPU and 1 GB video memory
- · Auto DXF file import
- · 3D part and wire frame tool path graphics plus solid modeling graphics
- Milltronics 9000 CNC includes 120 GB solid
  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
  - large program files at the machine

  - Networking
  - Two USB ports
  - · Mid-travel with tactile feedback keys

# **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
- 20 pocket double arm ATC
- . BIG-PLUS® dual contact spindle
- Automatic positive displacement lubrication system
- High torque AC digital servo drives
- High torque closed loop vector spindle drive system
- Work light
- · 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 kev lockout switch
- · Spindle load meter
- · Feedrate and spindle speed overrides
- · Spindle air purge
- · End of cycle light

# **MACHINE OPTIONS:**

- · Coolant through spindle system
- · Work offset probing
- · 4th axis options
- · Chip auger chip removal system
- · Chip conveyor chip removal system
- · Remote handwheel
- Auxiliary industrial grade keyboard
- Electronic spindle chiller
- Air gun
- · Coolant wash down gun
- · Additional work light
- · BT style tooling

# Distributed By: