



STANDARD FEATURES

- Line Extend Back
- Cartesian & Polar Coordinates
- Corner Chamfering & Rounding
- Arc & Line Intersection Find
- Tangent Line & Arc Functions
- 3 Point Arc Generations

TRIG HELP

- Wireframe Over Solids
- Solid Model Graphics
- Color Graphics - Tool Path
- 3D Part & Wire Frame Tool Path Graphics
- Transparent Graphics
- Customizable DRO
- User Definable Image Display window
- User Selectable Graphics in All Planes

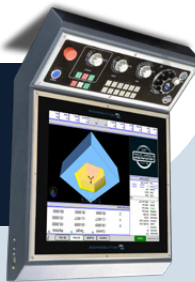
DISPLAY FEATURES

- Math Function Input Fields
- DXF & IGES File Import
- MotionBoss™ Software
- ChipBoss™ Software
- Custom Conversational Screens
- Speed & Feed Calculator
- Prompting Help Screens
- Concurrent Programming

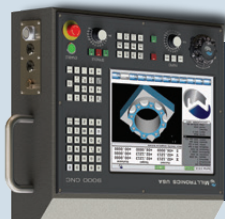
CONVERSATIONAL PROGRAMMING

KEY FEATURES

The Milltronics INSPIRE+ features improved finish and cycle times and can support future machine technologies.



The Milltronics 9000 CNC is Windows® based and features a 15-inch color LCD touch screen.



G&M CODE PROGRAMMING

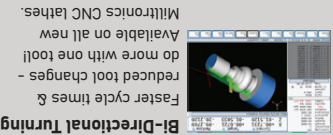
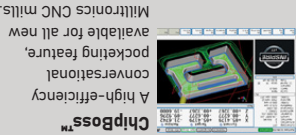
- Macro Programming
- MDI
- EIA/ISO Code (Fanuc®)
- Compatibility
- Macro Variable
- Rectangular Pocket Cycle
- Polygon Pocket Cycle
- Slot Cycle
- Facing Cycle
- Engraving with Serializing
- Milling Cycles
- Drill, Tap & Bore Cycles
- Custom Drill Cycle

AUTO ROUTINE & CANNED CYCLES

INSPIRE+ CONTROL
THE ULTIMATE SHOP
FLOOR OPERATING SYSTEM

The INSPIRE+ with INSPIRE v11 software gives your machinists improved surface finish and cycle times, an advanced proprietary motion engine, and is capable of supporting future machine technologies, including 5-axis and live tooling lathes. With new Industry 4.0 and IoT tech support, the INSPIRE+ fulfills every software need you'll ever face.

OPTIONAL FEATURES



Bi-Directional Turning
Faster cycle times & reduced tool changes - do more with one tool!
Available on all new Milltronics CNC lathes.



NEW! MotionBoss™
Maximize cutting efficiency by managing the balance between speed and precision.

CNC MACHINE PRODUCT LINEUP



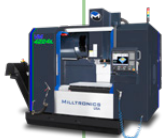
TOOL ROOM MILLS

Milltronics has a long history of building tool room mills that can be run as manual, teach, or full CNC. Popular in tool rooms, job shops, and tool & die, these machines are very flexible and can be used for a wide variety of parts.



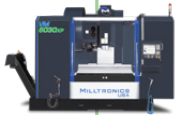
GENERAL PURPOSE VERTICAL MACHINING CENTERS

The VM Series CNC mills offer a great combination of standard features (that the other guys charge extra for) and performance at a great price.



PERFORMANCE IL VERTICAL MACHINING CENTERS

The IL Series machines have inline spindles, roller guides for rigidity, direct-coupled ballscrews for quick response, and dual wound spindles for faster acceleration/deceleration.



EXTRA POWER VERTICAL MACHINING CENTERS

XP Series VMCs are #50 taper machines built with robust cross rollers and high torque dual speed spindle motors.



TOOL ROOM COMBO LATHES

The ML Series of combo lathes can be run as manual, teach, or full CNC. They feature easy thread repair and are available in more than 15 sizes.



SLANT BED CNC LATHES

The SL Series CNC lathes feature robust true slant bed castings, roller ways for rigidity, direct coupled ballscrews and more.



INSPIRE+ CONTROL

This cutting-edge software boasts improved surface finish and cycle times and an advanced proprietary motion engine, and can support 5-axis and live tooling lathes.



9000 SERIES CONTROL

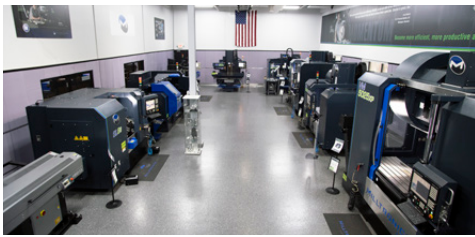
Our control is straightforward and easy to use. When programming you can choose between conversational, G-code or use a CAM system - whatever is the most efficient way to program your parts.



PRODUCT OVERVIEW BROCHURE



MILLTRONICS.COM | 888.999.1440



For over 50 years, Milltronics has been committed to seamlessly surrounding machine shop owners and manufacturers with fast and reliable full life cycle support to make great products. We proudly serve the CNC machining industry worldwide by offering our innovative control and manufacturing a complete line of vertical machining centers & lathes for tool room and production environments. Each machine is configured to our customers' specifications and business needs while providing the most affordable solution to match the investment and accelerate the ROI.

We have built our reputation on three differentiators:

- Intuitive & Innovative Control
- Accurate & Reliable Machines
- Dedicated & Solution-Minded People

Since 1973 and with over 14,000 machine installations, these differentiators have allowed Milltronics to go above and beyond to provide our customers with exceptional machining performance, at a price they can afford, with the assurance that we will stand behind our products and be true to our word.



Our vertical machining centers consist of the VM, IL and XP series. Each of our vertical machines offers a great combination of **features and performance at an attractive price.** Whether your shop requires machines with extra power or an inline spindle option, Milltronics vertical machining centers have the variety to fit any of your needs.



VERTICAL MACHINING CENTERS			
MODEL	X, Y, Z AXIS TRAVEL	SPINDLE	ATC
VM SERIES			
VM2515	25 x 15 x 20 in (635 x 381 x 508 mm)	17/10 HP	24
VM3018	30 x 18 x 20 in (762 x 457 x 508 mm)	23/15 HP	24
VM4020	40 x 20 x 20 in (1,016 x 508 x 508 mm)	23/15 HP	24
VM5020	50 x 20 x 20 in (1,270 x 508 x 508 mm)	23/15 HP	24
VM5020EZ	50 x 20 x 20 in (1,270 x 508 x 508 mm) WITH 150 MM RISER	23/15 HP	24
IL SERIES			
VM3020IL	30 x 20 x 22 in (762 x 508 x 559 mm)	32/10 HP	30
VM4224IL	42 x 24 x 24 in (1,067 x 610 x 610 mm)	32/10 HP	30
VM5025IL	50 x 25 x 24 in (1,270 x 635 x 610 mm)	35/20 HP	30
VM6030IL	60 x 30 x 24 in (1,524 x 762 x 610 mm)	35/20 HP	30
XP SERIES			
VM5025XP	50 x 25 x 24 in (1,270 x 635 x 610 mm)	35/20 HP	30
VM6030XP	60 x 30 x 24 in (1,524 x 762 x 610 mm)	35/20 HP	30
VM8434XP	84 x 34 x 30 in (2,134 x 864 x 762 mm)	30/15 HP	32

Milltronics tool room mills can be run as manual, teach or full CNC machines. Popular in tool rooms, job shops, and tool & die, **these flexible machines can be used for a wide variety of parts.** Two types of quill are offered in a traditional “knee” style (VK) as well as a bed type (TRQ); rigid head machines (TRM) are available in four different sizes.



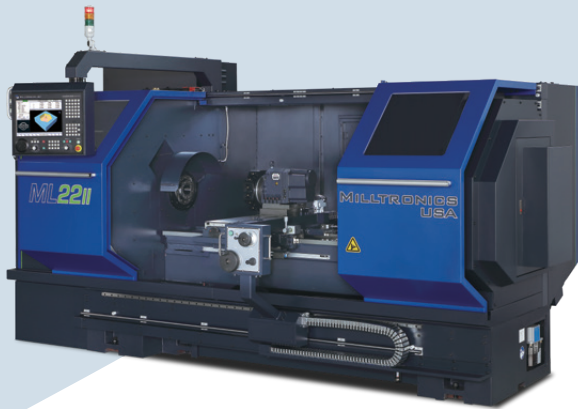
SLANT BED LATHES			
MODEL	X, Z AXIS TRAVEL	SPINDLE	STA*
SL6II	7 x 14 in (178 x 356 mm)	17/10 HP (13/7.5 kW)	12
SL8II	8 x 21 in (203 x 533 mm)	30/20 HP (23.2/15 kW)	12
SL10II	9.8 x 31.1 in (250 x 790 mm)	29.5/20 HP (22/15 kW)	12

The Milltronics SLII series of lathes offer a combination of **great features and high performance,** offered at a reasonable price. These machines are well-built, reliable, and easy to use.



TOOL ROOM MILLS			
MODEL	X, Y, Z AXIS TRAVEL	SPINDLE	ATC
VK4II	33 x 14.25 in (838 x 362 mm) QUILL: 5.83 in (148 mm) MILLSLIDE: 5.25 in (133 mm)	14.75/ 7.5 HP	—
TRM3016	30 x 16 x 20 in (760 x 406 x 510 mm)	17/10 HP	16
TRQ20	39.4 x 19.7 x 23.6 in (1,000 x 500 x 600 mm)	12.5/7.5 HP	—
TRM20	39.4 x 19.7 x 23.6 in (1,000 x 500 x 600 mm)	23/15 HP	24
TRM30	59.8 x 29 x 28 in (1,520 x 740 x 710 mm)	23/15 HP	24
TRM30HT	59.8 x 29 x 28 in (1,520 x 740 x 710 mm)	24/10 HP	24
TRM33HT	78 x 33 x 28 in (2,000 x 840 x 710 mm)	24/10 HP	24

Milltronics ML Series combination lathes offer both manual and CNC operations for tool rooms and job shops of all kinds. These versatile machines **can be configured with many optional features,** including varying bore sizes and bed lengths, additional tool holders, Digital Setup Assistant, and live tooling and C-axis on most models.



COMBINATION LATHES			
MODEL	X/Z AXIS TRAVEL	SPINDLE	STA*
ML16II/40	11/44.5 in (280/1,130 mm)	15/10 HP	8
ML18II/60	12/63.5 in (300/1,613 mm)	20/15 HP	8
ML22II/60	13/63.5 in (330/1,613 mm)	24/10 HP	8
ML26II/40	13/42 in (330/1,066 mm)	24/10 HP	8
ML26II/80	13/84 in (330/2,130 mm)	24/10 HP	8
ML26II/120	13/124 in (330/3,150 mm)	24/10 HP	8
ML26II/160	13/163 in (330/4,140 mm)	24/10 HP	8
ML35II/80	19/87 in (480/2,210 mm)	35/10 HP	8
ML35II/120	19/120 in (480/3,048 mm)	35/10 HP	8
ML35II/160	19/160 in (480/4,064 mm)	35/10 HP	8
ML35II/200	19/200 in (480/5,080 mm)	35/10 HP	8
ML35II/240	19/240 in (480/6,096 mm)	35/10 HP	8
ML40II/80	21/87 in (550/2,210 mm)	35/10 HP	8
ML40II/120	21/120 in (550/3,048 mm)	35/10 HP	8
ML40II/160	21/160 in (550/4,064 mm)	35/10 HP	8
ML40II/200	21/200 in (550/5,080 mm)	35/10 HP	8
ML40II/240	21/240 in (550/6,096 mm)	35/10 HP	8

* STA = Turret Stations

SCAN HERE
for an online quote

