



# MILLTRONICS®

## PRODUCT OVERVIEW BROCHURE



[MILLTRONICS.COM](http://MILLTRONICS.COM) | 888.999.1440





# MILLTRONICS®

At Milltronics, we are dedicated to empowering your inventive spirit. From machine research to online pricing for machines and options, we want to swiftly provide you the information you need so you can make the best decision for your shop. Our purpose is to offer you affordable and well-built CNC machines equipped with a logical control that exemplifies the power of simplicity for the operator and the strength of sophisticated control technology for your shop.

We take pride in reinforcing our commitment to CNC excellence by packaging all of our 50+ models of CNC machines with MORE FEATURES STANDARD than other brands in our class. For the latest information, go to [Milltronics.com](http://Milltronics.com) and let's invent the future together.

## CNC MACHINE PRODUCT LINE-UP



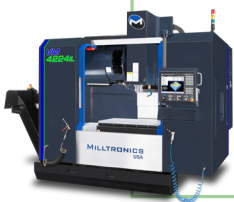
### TOOL ROOM MILLS

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.



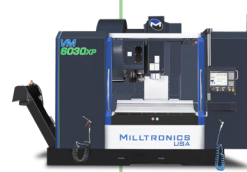
### GENERAL PURPOSE VERTICAL MACHINING CENTERS

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.



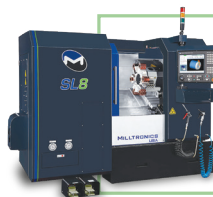
### EXTRA POWER VERTICAL MACHINING CENTERS

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 V11 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.

# FIND THE RIGHT CNC MACHINE FOR YOUR SHOP.

## VERTICAL MACHINING CENTERS

MODEL	X, Y, Z AXIS TRAVEL	SPINDLE	ATC
<b>VM SERIES</b>			
VM2515	25 x 15 x 20 in (635 x 381 x 508 mm)	15/10 HP (11/7.5 kW)	24
VM3018	30 x 18 x 20 in (762 x 457 x 508 mm)	20/15 HP (15/11 kW)	24
VM4020	40 x 20 x 20 in (1,016 x 508 x 508 mm)	20/15 HP (15/11 kW)	24
VM5020	50 x 20 x 20 in (1,270 x 508 x 508 mm)	20/15 HP (15/11 kW)	24
VM5020EZ	50 x 20 x 20 in (1,270 x 508 x 508 mm) WITH 150 MM RISER	20/15 HP (15/11 kW)	24
<b>IL SERIES</b>			
VM3020IL	30 x 20 x 22 in (762 x 508 x 559 mm)	24/15 HP (18/11 kW)	30
VM4224IL	42 x 24 x 24 in (1,067 x 610 x 610 mm)	32/10 HP (24/7.5 kW)	30
VM5025IL	50 x 25 x 24 in (1,270 x 635 x 610 mm)	35/25 HP (26/18 kW)	30
VM6030IL	60 x 30 x 24 in (1,524 x 762 x 610 mm)	35/25 HP (26/18 kW)	30
<b>XP SERIES</b>			
VM5025XP	50 x 25 x 24 in (1,270 x 635 x 610 mm)	35/25 HP (26/18 kW)	30
VM6030XP	60 x 30 x 24 in (1,524 x 762 x 610 mm)	35/25 HP (26/18 kW)	30
VM8434XP	84 x 34 x 30 in (2,134 x 864 x 762 mm)	35/25 HP (26/18 kW)	32

## 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)	7.5 HP (5.5 kW)	—
TRM3016	30 x 16 x 20 in (760 x 406 x 510 mm)	15/10 HP (11/7.5 kW)	16
TRQ20	39.4 x 19.7 x 23.6 in (1,000 x 500 x 600 mm)	14.75/7.5 HP (11/5.5 kW)	—
TRM20	39.4 x 19.7 x 23.6 in (1,000 x 500 x 600 mm)	20/15 HP (15/11 kW)	24 (OPT)
TRM30	59.8 x 29 x 28 in (1,520 x 740 x 710 mm)	20/15 HP (15/11 kW)	24 (OPT)
TRM30HT	59.8 x 29 x 28 in (1,520 x 740 x 710 mm)	25/15 HP (18/11 kW)	24 (OPT)
TRM33HT	78 x 33 x 28 in (2,000 x 840 x 710 mm)	24/15 HP (18/11 kW) 2-SPEED DELTA/WYE	24 (OPT)

## SLANT BED LATHES

MODEL	X, Z AXIS TRAVEL	SPINDLE	ATC
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 9000 CNC control is Windows® based and features a 15-inch color LCD touch screen.



The Milltronics INSPIRE v11 features improved finish and cycle times and can support future machine technologies.

## COMBINATION LATHES

MODEL	X/Z AXIS TRAVEL	SPINDLE	ATC
ML16II/40	11/44.5 in (280/1,130 mm)	18 HP (13 kW)	8
ML18II/60	12/63.5 in (300/1,600 mm)	24 HP (18 kW)	8
ML22II/60	13/63.5 in (330/1,600 mm)	24/15 HP (18/11 kW) 2-SPEED DELTA/WYE	8
ML26II/40	13/42 in (330/1,066 mm)	24/15 HP (18/11 kW)	8
ML26II/80	13/84 in (330/2,130 mm)	24/15 HP (18/11 kW)	8
ML26II/120	13/124 in (330/3,150 mm)	24/15 HP (18/11 kW)	8
ML26II/160	13/163 in (330/4,140 mm)	24/15 HP (18/11 kW)	8
ML35II/80	19/87 in (480/2,210 mm)	35/25 HP (26/18 kW) 2-SPEED DELTA/WYE	8
ML35II/120	19/120 in (480/3,000 mm)	35/25 HP (26/18 kW)	8
ML35II/160	19/160 in (480/4,000 mm)	35/25 HP (26/18 kW)	8
ML35II/200	19/200 in (480/5,000 mm)	35/25 HP (26/18 kW)	8
ML35II/240	19/240 in (480/6,000 mm)	35/25 HP (26/18 kW)	8
ML40II/80	21/87 in (550/2,210 mm)	35/25 HP (26/18 kW)	8
ML40II/120	21/120 in (550/3,000 mm)	35/25 HP (26/18 kW)	8
ML40II/160	21/160 in (550/4,000 mm)	35/25 HP (26/18 kW)	8
ML40II/200	21/200 in (550/5,000 mm)	35/25 HP (26/18 kW)	8
ML40II/240	21/240 in (550/6,000 mm)	35/25 HP (26/18 kW)	8

# INSPIRE V11 CONTROL

## THE ULTIMATE SHOP FLOOR OPERATING SYSTEM

Introducing INSPIRE v11 - the ultimate shop floor CNC operating system. This latest-and-greatest 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 v11 fulfills every software need you'll ever face.



### KEY FEATURES

#### CONVERSATIONAL PROGRAMMING

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

#### G&M CODE PROGRAMMING

- Macro Programming
- MDI
- EIA/ISO Code (Fanuc™)
- Compatibility
- Macro Variable Programming

#### DISPLAY FEATURES

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

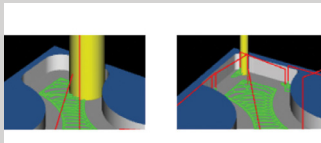
#### AUTO ROUTINE & CANNED CYCLES

- Bolt Pattern, Drill, Tap & Bore Cycles
- Text Engraving on Arc or Line
- Thread Milling Cycle
- Circular Framing Cycle
- Rectangular Framing Cycle
- Polygon Framing Cycle
- Circular Pocket Cycle
- 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

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

### STANDARD FEATURES



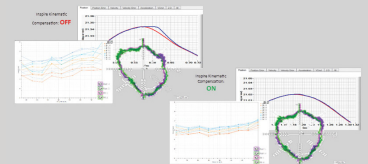
Rest Roughing



PC & Hardware Upgrades

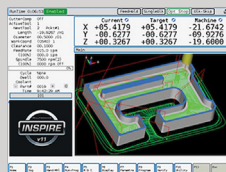


Remote Support (TeamViewer)

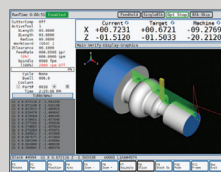


INSPIRE Kinematic Compensation Suite

### OPTIONAL FEATURES



**ChipBoss™**  
A high-efficiency conversational pocketing feature, available for all new Milltronics CNC mills.



**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.



MILLTRONICS • 2920 FORTUNE CIRCLE WEST, SUITE C, INDIANAPOLIS IN 46241 • 888.999.1440 • MILLTRONICS.COM

Specifications subject to change without notice. Optimum machine performance is dependent upon installation conditions at the facility. Some machines shown with options.

Copyright © 2024 Milltronics USA, Inc. All rights reserved. Rev. C 5/24 C007-D-06 • 48HR500