

MILLTRONICS 5-AXIS MACHINING CENTERS feature a rotary table that offers +30°/-110° of A-axis rotation and 360° in the C-axis. These vertical mills are equipped with a BIG-PLUS® spindle and the INSPIRE+ control, which provides improved surface finish and cycle times, an advanced proprietary motion engine, and a 19-inch, color, LCD touch screen. Built for rigidity, wide spacing of the linear roller guideways ensure optimal support for the table and saddle in full travel of each axis.

VM200-5X



VM250IL-5X



STANDARD FEATURES

- INSPIRE+ control
- 19" color LCD touch screen display
- BIG-PLUS® dual-contact spindle
- Spindle load meter
- Spindle air purge
- Automatic positive displacement lubrication system
- Full enclosure with side doors
- Dual-enclosure work lights
- Rigid tapping
- Spare "M" function
- Solid model graphic display
- 120-GB solid state hard drive
- DXF file import
- Rest roughing machining cycle



SCAN HERE to learn more about the 5X Series and other Milltronics machines.



MILLTRONICS®
Beyond Expectations.

5X SERIES

SPECIFICATIONS	VM200-5X	VM250IL-5X
TABLE		
TABLE WORKING SURFACE	7.8 in / 198 mm diameter	9.8 in / 248 mm diameter
TABLE T-SLOTS	6 x .39 (10 mm)	6 x .47 in (12 mm)
MAXIMUM WEIGHT ON TABLE	330 lbs (150 kg)	440 lbs (200 kg)
TRAVELS		
X-AXIS	21 in (534 mm)	30 in (762 mm)
Y-AXIS	16 in (407 mm)	20 in (508 mm)
Z-AXIS	19 in (483 mm)	20.52 in (520 mm)
C-AXIS	360°	360°
A-AXIS	+30°/-110°	+30°/-110°
SPINDLE MOTOR		
SPINDLE POWER	10/7.4 HP (7.5/5.5 kW)	14.8/10 HP (19/7.5 kW)
SPINDLE TORQUE	25.8 ft-lbs (35.0 Nm)	35.3 ft-lbs (47.8 Nm)
SPINDLE		
		INLINE
SPINDLE TAPER	BIG-PLUS® ISO. No. 40	BIG-PLUS® ISO No. 40
SPINDLE NOSE TO TABLE	1.97-20.98 in (50-533 mm)	3.5-24 in (90-610 mm)
SPINDLE SPEED (MAXIMUM)	10,000 RPM (15,000 OPTIONAL)	12,000 RPM (15,000 OPTIONAL)
TOOL CHANGER		
TOOL CAPACITY / TYPE	24 / DOUBLE ARM	40 / DOUBLE ARM
TOOL SHANK	CT40	CT40
RETENTION KNOB	MAS 60	MAS 60
MAXIMUM TOOL DIAMETER	3.1 in (80 mm)	3 in (76 mm)
MAXIMUM TOOL LENGTH	9.8 in (240 mm)	13.8 in (350 mm)
MAXIMUM TOOL WEIGHT	15.4 lbs (7 kg)	15.4 lbs (7 kg)
FURTHER DETAILS		
X/Y/Z RAPID TRAVERSE RATE	945 IPM (24 m/min)	1,200 / 1,200 / 1,000 IPM (30.5 / 30.5 / 25.4 m/min)
C-AXIS / A-AXIS ROTATIONAL SPEED	25 RPM	25 RPM
POSITIONING ACCURACY	+/- 0.0004 in (+/- 0.010 mm)	+/- 0.0004 in (+/- 0.010 mm)
REPEATABILITY	0.0002 in (0.005 mm)	0.0002 in (0.005 mm)
MACHINE HEIGHT	92.9 in (2,360 mm)	124.1 in (3,153 mm)
FOOTPRINT: NOMINAL OPERATING – (WIDTH x DEPTH) (MACHINE DOORS OPEN)	130.1 x 115.6 in (3,304 x 2,937 mm)	150.2 x 145 in (3,816 x 3,684 mm)
MACHINE WEIGHT	7,738 lbs (3,510 kg)	13,068 lbs (5,940 kg)
POWER REQUIRED	18 KVA/25 Amps	26 KVA/31 Amps
VOLTAGE REQUIRED	480 Volts / 60 Hz	480 Volts / 60 Hz