

# SL6-II

- Slant-Bed Turning Center
- Chuck: 6"
- Bar Capacity: 1.25"
- Control : 9000



Shown with options



**MILLTRONICS USA**  
LET'S INVENT

## SPECIFICATIONS:

### CAPACITY:

X Axis Travel	7" (178 mm)
Z Axis Travel	14" (356 mm)
Swing Over Bed	15.9" (405 mm)
Swing Over Cross Slide	9.45" (240 mm)
Max Turning Diameter	12.4" (316 mm)
Max Turning Length	13.4" (340 mm)

### SPINDLE:

Spindle Nose	A2-5
Draw tube Diameter	1.77" (45 mm)
Spindle Bore Diameter	2.2" (56 mm)
Chck Size	6" (152 mm)
Spindle Range	0-6000 RPM
AC Spindle Motor	17/10 HP (13/7.5 kW)
Max. Spindle Torque	83ft-lbs (113 N.m) @ 1090 rpm

### TURRET:

Number of Tools	12
Tool Size	.75" x .75" (19 x19 mm)
Boring Bar Capacity	1.25" (32 mm)
Tool Selection	Bi-directional

### TAILSTOCK (OPTION):

Tailstock Quill Travel	3.46" (88 mm)
Tailstock Quill Diameter	2.28" (58 mm)
Tailstock Thrust	550 lbs (250 kg)
Tailstock Quill Taper	MT4

### MOTION:

XY/Z Axis Rapid Traverse Rate	1,181 IPM (30 m/min)
Max. Cutting Feed Rate	400 IPM (10.16 m/min)
X Axis Ball Screw Diameter	1.25" (32 mm)
Y Axis Ball Screw Diameter	1.25" (32 mm)
Positioning Accuracy	+/-0.0002" (+/-0.005mm)
Repeatability	0.0002" (0.005mm)
Axis Thrust Force XYZ	1,951 lbs. (8.7 kN)

### GENERAL:

Machine Height	72.1" (1,831 mm)
Floor Space Required (W x D)	125 x 98.6" (3179 x 2504 mm)
Machine Weight	7400Lbs (3360 kg)
Power Required	15.6 KVA /40 Amps
Voltage Required	208-240 Volts / 3 Phase

## MACHINE FEATURES:

### MACHINE STANDARDS:

- 6" 3-jaw hydraulic chuck w/ foot switch
- 1.77" Draw Tube I.D.
- 6,000 RPM spindle
- 12 position auto turret with 3/4" slots
- True slant bed with one-piece base casting
- Linear motion guideways with Roller Type Bearings
- Full enclosure with sliding door
- Flood coolant
- Auto lubrication
- Milltronics 9000-DGI series CNC control
- Part, wire frame & solid model graphics
- Constant Surface Speed (CSS)
- 120 GB solid-state hard drive
- 5" LCD color touch screen display
- Spindle load meter
- LCD hour meter
- One-year warranty



### 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 backlight) 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

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