

SL8-II

Slant-Bed Turning Center
• Chuck: 8" • Bar Capacity: 2.5"



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

- Solid modeling graphics allows the operator to see a completed part prior to cutting.
- Mid program restart allows the operator to start anywhere in a program by verifying the graphics and then switching to Run Mode.
- Handwheel run allows the operator to run a program in a controlled mode where motion only occurs while the handwheel is turning.
- The 9000 CNC features a dual-core processor and high speed motion control that is capable of executing 3,000 blocks per second.
- The 9000 CNC is equipped with a 120 GB solid state drive, 4 GB RAM memory, USB ports and Ethernet connectivity.



MILLTRONICS USA
LET'S INVENT



SL8-II

SPECIFICATIONS:

CAPACITY:

X Axis Travel	8" (203 mm)
Z Axis Travel	21.7" (550 mm)
Swing Over Bed	20.7" (525 mm)
Swing Over Cross Slide	11.8" (300 mm)
Max Turning Diameter	14" (356 mm)
Max Turning Length	20.7" (525 mm)

SPINDLE:

Spindle Nose	A2-6
Draw tube Diameter	2.59" (66 mm)
Spindle Bore Diameter	3.2" (79 mm)
Max Bar Diameter	2.55" (65 mm)
Chck Size	8" (203 mm)
Spindle Range	0-4000 RPM
AC Spindle Motor	22/15 HP (16/11 kW)
Spindle Torque	133 ft-lbs (180 N.m) @ 870 rpm

TURRET:

Number of Tools	12
Tool Size	1" x 1" (25 x 25 mm)
Boring Bar Capacity	1.5" (40 mm)
Tool Selection	Bi-directional

TAILSTOCK (OPTION):

Tailstock Quill Travel	3.46" (88 mm)
Tailstock Quill Diameter	2.55" (65 mm)
Tailstock Thrust	550 lbs (250 kg)
Tailstock Quill Taper	MT4

MOTION:

X, 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)
Z Axis Ball Screw Diameter	1.25" (32 mm)
Positioning Accuracy	.0004" (.010 mm)
Repeatability	.0002" (.005 mm)
Axis Thrust Force X, Z	1,851 lbs. (8.2 kN)

GENERAL:

Machine Height	72.1" (1,831 mm)
Floor Space Required (W x D)	142.2" (3,612 mm) x 102.6" (2,606 mm)
Machine Weight	8,885 lbs. (4,030 kg)
Power Required	17 KVA / 43 amps
Voltage Required	208-240 Volts / 3 Phase

Distributed By:

MACHINE FEATURES:

MACHINE STANDARDS:

- True 30° slant bed - cast iron frame designed with Finite Element Analysis (FEA)
- 30 mm (X) 35 mm (Y) Linear Roller Way Technology
- Heavy-duty belt drive with AC spindle motor and Yaskawa drive
- Pre-tensioned ballscrews doublenut pre-loaded and anchored at both ends with direct coupled AC digital servo drives
- Premium cartridge type chrome-molly spindle, permanently grease packed
- Fully enclosed machine with side sliding door
- Telescopic metal way covers
- Bi-directional 12 station auto turret
- 8" 3-jaw chuck with hydraulic footswitch
- Automatic positive displacement lubrication system
- Work light
- LCD hour meter
- Single spare "M" function with CNC "wait" channel
- Edit key lockout switch
- Spindle load meter
- Feedrate and spindle speed overrides
- End of cycle light
- Flood coolant
- Air blast hose and chip washdown gun

MACHINE OPTIONS:

- Manual position hydraulic tailstock with programmable quill
- Right discharge lift-up chip conveyor
- Bar feed interface
- Parts catcher
- Renishaw semi-automatic tool setter

CONTROL FEATURES:

CONTROL STANDARDS:

- Conversational, G&M code or CAD/CAM programming including rigid tapping and canned cycles such as drilling, turning, facing, boring, grooving, threading, tangent/circle generate and auto round corner/chamfer
- Constant surface speed (CSS)
- Auto DXF file import
- 3D part and wire frame tool path graphics plus solid modeling graphics
- 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 backlit) 1024 x 768 resolution, driven by a high-end 600 Mhz graphics card featuring an on-board CPU and 1 GB video memory
- Management software that allows editing of large program files at the machine
- MTConnect compliant
- Networking
- Two USB ports
- Mid-travel with tactile feedback keys
- Offline FastCAM software for programming and training