

SL10-II

- Slant-Bed Turning Center
- Chuck: 10"
- Bar Capacity: 1.5"
- Control : 9000



Shown with options



MILLTRONICS USA
LET'S INVENT

SPECIFICATIONS:

CAPACITY:

| | |
|------------------------|----------------|
| X Axis Travel | 9.8" (250 mm) |
| Z Axis Travel | 31.1" (790 mm) |
| Swing Over Bed | 22.9" (582 mm) |
| Swing Over Cross Slide | 15.8" (402 mm) |
| Max Turning Diameter | 17.7" (450 mm) |
| Max Turning Length | 29.9" (760 mm) |

SPINDLE:

| | |
|-----------------------|-------------------------------|
| Spindle Nose | A2-8 |
| Draw tube Diameter | 3.18" (81 mm) |
| Spindle Bore Diameter | 3.74" (95 mm) |
| Chck Size | 10" (254 mm) |
| Spindle Range | 0-3000 RPM |
| AC Spindle Motor | 29.5/20 HP (22/15 kW) |
| Max. Spindle Torque | 260ft-lbs (352 N.m) @ 600 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 | 4.7" (119 mm) |
| Tailstock Quill Diameter | 3.54" (90 mm) |
| Tailstock Quill Taper | MT5 |

MOTION:

| | |
|--------------------------------|----------------------------|
| X & Z Axis Rapid Traverse Rate | 1181 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 | 1.57" (40 mm) |
| Positioning Accuracy * | 0.0002" (0.005 mm) |
| Repeatability* | +/- 0.0002" (+/- 0.005 mm) |
| Axis Thrust Force X & Z | 2,808 lbs. (12.5 kN) |

GENERAL:

| | |
|------------------------------|-----------------------------------|
| Machine Height | 73.5" (1,868 mm) |
| Floor Space Required (W x D) | 163.9" x 112.4" (4163 x 2,854 mm) |
| Machine Weight | 11,028 lbs. (5,002 kg) |
| Power Required | 24 KVA / 59 amps |
| Voltage Required | 208-240 Volts / 3 Phase / 60 Hz |

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 double nut 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



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 backlit) 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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