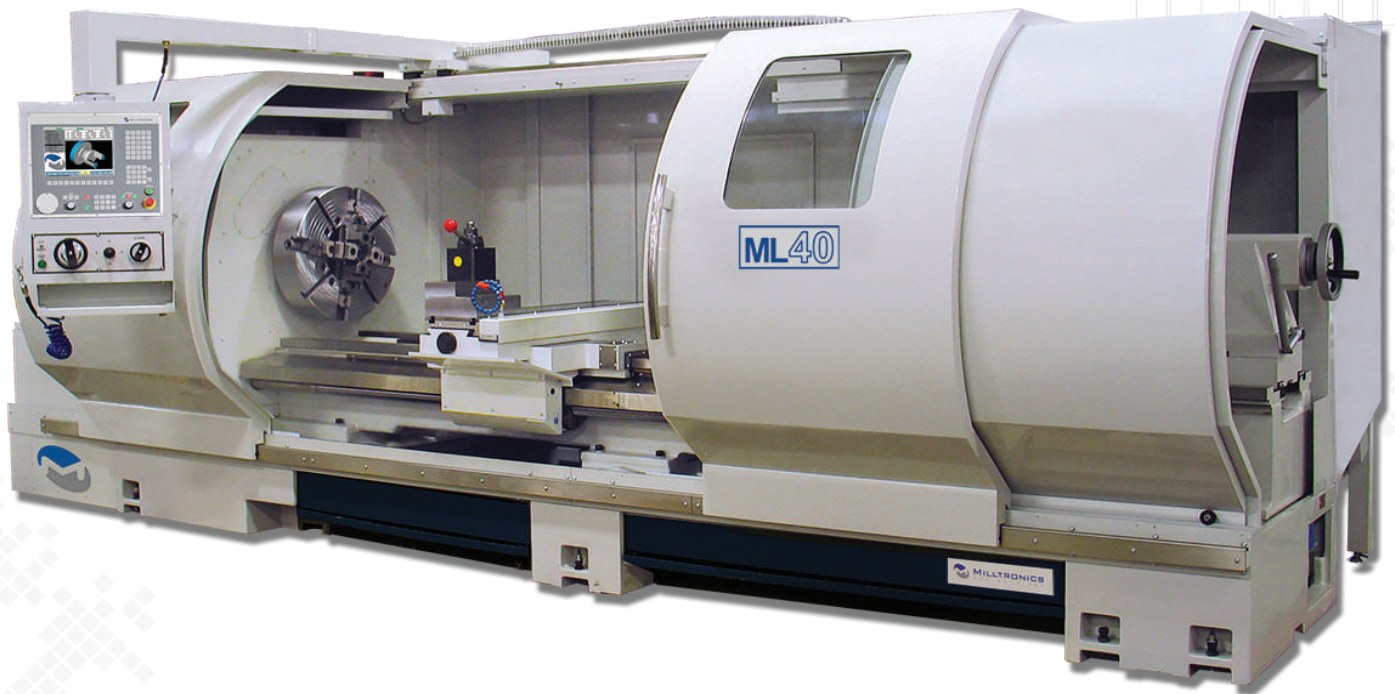


ML40/160

- Combination Lathe
- Swing: 39.7"
- Spindle Bore: 6.02"
- Control : 8200-B



Shown with options



MILLTRONICS USA
LET'S INVENT

SPECIFICATIONS:

| | |
|------------------------|---|
| CAPACITY: | |
| X/Z Travels | 21 / 160" (550 / 4000 mm) |
| Swing Over Bed Swing | 39.7" (1010 mm) |
| Over Gap | 50" (1280 mm) |
| Swing Over Cross Slide | 26.6" (675 mm) |
| Gap Distance | 14.6" (370 mm) |
| SPINDLE: | |
| Spindle Nose | A2-11 |
| Spindle Bore | 6.02" (153 mm) |
| Spindle Range | 10-900 RPM |
| | Low Range 10-375 High Range 10-900 |
| AC Spindle Motor | 35/25 HP (26/18 kW) 2 Speed |
| Spindle Torque | 1850 ft-lbs (2500 N.m) |

| | |
|--------------------------|----------------|
| TAILSTOCK: | |
| Tailstock Quill Travel | 9" (230 mm) |
| Tailstock Quill Diameter | 4.92" (125 mm) |
| Tailstock Quill Taper | MT6 |

| | |
|--------------------------|----------------|
| AUTOMATIC TURRET: | |
| Number of Tools | 8 |
| Tooling Size | 1.5" (38 mm) |
| Boring Bar Capacity | 2" (50 mm) |
| Tool Selection | Bi-directional |

| | |
|--------------------------------|------------------------------|
| MOTION: | |
| X/Y/Z Axis Rapid Traverse Rate | 500 IPM (12.7 m/min) |
| Max. Cutting Feed Rate | 100 IPM (2540 mm/min) |
| X Axis Ballscrew Diameter | 1.57" (40 mm) |
| Y Axis Ballscrew Diameter | 3.15" (80 mm) |
| Positioning Accuracy | +/- 0.00025" (+/- 0.0063 mm) |
| Repeatability | 0.00039" (0.010 mm) |
| Axis Thrust Force X, Z | 6700 lbs (3000 kg) |

| | |
|------------------------------|-----------------------------|
| GENERAL: | |
| Machine Height | 90" (2286 mm) |
| Floor Space Required (W x D) | 272 x 110" (6909 x 2794 mm) |
| Machine Weight | 28,900 lbs (13,000 kg) |
| Power Required | 48 KVA / 125 amps |
| Voltage Required | 208-240 Volts / 3 Phase |



8200-B CNC

The new standard of control

With its conversational programming, onscreen help, intuitive menus, color graphics and prompted tool settings, the 8200-B CNC helps new operators train faster and become more productive sooner. Shops can choose either conversational, G-code programming, or download tool paths created with a CAM system - whatever is the most efficient way to produce the required part.

CONTROL STANDARDS:

- PC-based 8200-B CNC includes 1 GB parts storage memory
- Enhanced CPU with Block processing speed of 2000 bps with enhanced jerk control and look ahead
- Conversational plus G & M code programming including coordinate rotating, scaling, mirror image, thread mill engraving, helical interpolation, auto routines, and user definable macros with trig assist and irregular pocket clearing
- 12" LCD active matrix color display
- Auto DXF file import
- 3D part and wire frame tool path graphics plus solid modeling graphics
- Management software that allows editing of very large program files at the machine
- Spindle loader meter
- User definable macros with trig assist
- USB connectivity
- MTConnect compliant
- Networking

MACHINE FEATURES:

MACHINE STANDARDS:

- Fully ground square box ways with Turcite
- Automatic metered lubrication with low lube fault
- Flood coolant pump with nozzle
- Chuck guard with safety switch
- Tail stock with adjustable quill and safety switch
- Precision ground ball screws
- Heavy duty metal enclosure with full front guarding and sliding doors
- Chip drawer chip containment system
- Gap bed design
- Door interlock safety switch
- Handwheel controlled program execution
- Dual electronic handwheel for teach, manual or automatic operation
- Single spare "M" function and CNC "wait" channel
- Work lamp
- End of cycle light
- Remote electronic handwheel
- Tail stock latch and auto-position
- Edit key lock out switch
- 8 position turret
- High torque AC digital servo drives
- Rear chuck mount
- UL certified

MACHINE OPTIONS:

- Roller type steady rest
- Follow rest
- Manual chucks
- Hydraulic chuck packages
- Chip conveyor

SPINDLE OPTIONS:

| | |
|---------------|---|
| Spindle Nose | A2-15 |
| Spindle Bore | 10" (254 mm) |
| Spindle Range | 10-750 RPM |
| | Low Range 10-375 High Range 10-750 |
| Spindle Nose | A2-20 |
| Spindle Bore | 14" (355 mm) |
| Spindle Range | 10-500 RPM |
| | Low Range 10-375 High Range 10-500 |

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