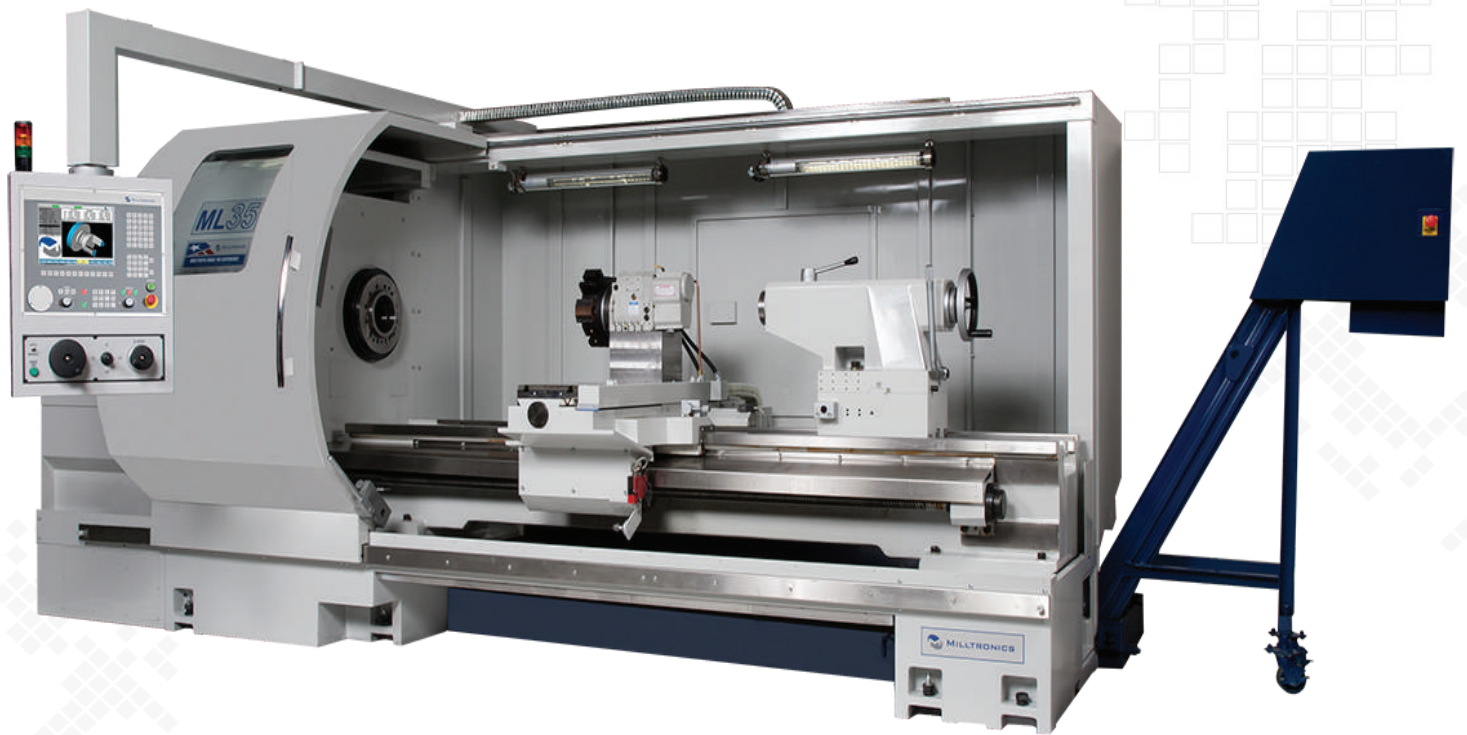


# ML35/80

- Combination Lathe
- Swing: 36.2"
- Spindle Bore: 6.02"
- Control : 8200-B



Shown with options



**MILLTRONICS USA**  
LET'S INVENT

## SPECIFICATIONS:

<b>CAPACITY:</b>	
X/Z Travels	19 / 87" (480 / 2210 mm)
Swing Over Bed	36.2" (920 mm)
Swing Over Gap	45" (1150 mm)
Gap Distance	14.6" (370 mm)
Swing Over Cross Slide	21.6" (550 mm)
<b>SPINDLE:</b>	
Spindle Nose	A2-11
Spindle Bore	6.02" (153 mm)
Spindle Range	10-900 RPM
	<b>Low Range 10-375 High Range 10-900</b>
AC Spindle Motor	35/25 HP (26/18 kW) 2 Speed
Spindle Torque	1850 ft-lbs (2500 N.m)

<b>TAILSTOCK:</b>	
Tailstock Quill Travel	8" (200 mm)
Tailstock Quill Diameter	4.92" (125 mm)
Tailstock Quill Taper	MT6

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

<b>MOTION:</b>	
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	2.48" (63 mm)
Positioning Accuracy	+/- 0.00025" (+/- 0.0063 mm)
Repeatability	0.00039" (0.010 mm)
Axis Thrust Force X, Z	6700 lbs (3000 kg)

<b>GENERAL:</b>	
Machine Height	90" (2286 mm)
Floor Space Required (W x D)	193 x 110" (4902 x 2794 mm)
Machine Weight	23,000 lbs (10,500 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
	<b>Low Range 10-375 High Range 10-750</b>
Spindle Nose	A2-20
Spindle Bore	14" (355 mm)
Spindle Range	10-500 RPM
	<b>Low Range 10-375 High Range 10-500</b>

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