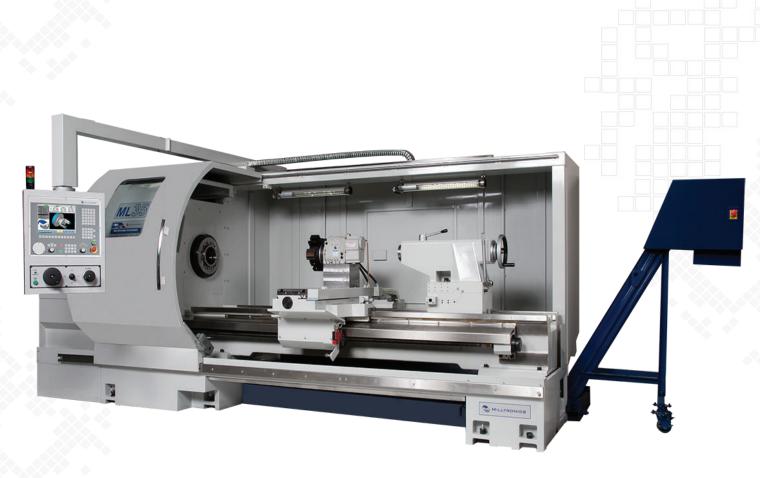
ML35/120

- Combination Lathe

- Swing: 36.2"

- Spindle Bore: 6.02"

- Control : 8200-B



Shown with options







ML35/120

SPECIFICATIONS:

CAPACITY:

19 / 120" (480 / 3000 mm) X/Z Travels Swing Over Bed 36.2" (920 mm) Swing Over Gap 45" (1150 mm) 14.6" (370 mm) Gap Distance Swing Over Cross Slide 21.6" (550 mm)

SPINDLE:

Spindle Nose 6.02" (153 mm) Splindle Bore Spindle Range 10-900 RPM

35/25 HP (26/18 kW) 2 Speed AC Spindle Motor Spindle Torque 1850 ft-lbs (2500 N.m)

TAILSTOCK:

Tailstock Quill Travel 8" (200 mm) Tailstock Quill Diameter 4.92" (125 mm) MT6 Tailstock Quill Taper

AUTOMATIC TURRET:

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

MOTION:

X/Y/Z Axis Rapid Traverse Rate 500 IPM (12.7 m/min) 100 IPM (2540 mm/min) Max. Cutting Feed Rate X Axis Ballscrew Diameter 1.57" (40 mm) Y Axis Ballscrew Diameter 2.48" (63 mm) +/- 0.00025" (+/- 0.0063 mm) Positioning Accuracy 0.00039" (0.010 mm) Repeatability 6700 lbs (3000 kg) Axis Thrust Force X, Z

GENERAL:

Machine Height 90" (2286 mm) 232 x 110" (5893 x 2794 mm) Floor Space Required (W x D) 25,200 lbs (11,500 kg) Machine Weight Power Required 48 KVA / 125 amps 208-240 Volts / 3 Phase Voltage Required



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 modelinggraphics
- · Management software that allows editing of very large programfiles 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:

A2-15 Spindle Nose 10" (254 mm) Splindle Bore 10-750 RPM Spindle Range

Low Range 10-375 High Range 10-750

Spindle Nose Splindle Bore Spindle Range A2-20 14" (355 mm) 10-500 RPM

Low Range 10-375 High Range 10-500

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