

ML26/160

Combination Lathe

• Swing: 27" • Spindle Bore: 6"



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Serving Industry Worldwide Since 1973



Slant Bed
Turning
Centers



Combination
Lathes



Horizontal
Boring
Mills



Toolroom
Machining
Centers



50 Taper
Box Way
Machining
Centers



Rigid Head
Toolroom
Bed Mills



Bridge
Mills



Linear Way
Machining
Centers

SPECIFICATIONS

CAPACITY:

| | |
|-------------------------------|----------------------------|
| X / Z Axis Travel | 13" / 163" (330 / 4140 mm) |
| Swing Over Bed (Diam) | 27" (685 mm) |
| Swing Over Gap (Diam) | 34.2" (870 mm) |
| Swing Over Cross Slide (Diam) | 16.1" (410 mm) |
| Gap Distance | 12.75" (320 mm) |

SPINDLE:

| | |
|------------------|-----------------------------|
| Spindle Nose | A2-11 |
| Spindle Bore | 6" (153 mm) |
| Spindle Range | 30-1600 RPM |
| AC Spindle Motor | 24/15 HP (18/11 kW) 2 Speed |
| Spindle Torque | 1250 ft-lbs (1690 N.m) |

TAILSTOCK:

| | |
|--------------------------|----------------|
| Tailstock Quill Travel | 6" (150 mm) |
| Tailstock Quill Diameter | 3.94" (100 mm) |
| Tailstock Quill Taper | MT5 |

OPTIONAL TURRET:

| | |
|---------------------|----------------|
| Number of Tools | 8 |
| Tooling Size | 1" (25 mm) |
| Boring Bar Capacity | 1.5" (38 mm) |
| Tool Selection | Bi-directional |

MOTION:

| | |
|-------------------------------|------------------------------|
| X, Z Axis Rapid Traverse Rate | 500 IPM (12.7 m/min) |
| Max. Cutting Feed Rate | 100 IPM (2540 mm/min) |
| X Axis Ballscrew Diameter | 1.25" (32 mm) |
| Z Axis Ballscrew Diameter | 1.97" (50 mm) |
| Positioning Accuracy | +/- 0.00025" (+/- 0.0063 mm) |
| Repeatability | 0.0002" (0.005 mm) |
| Axis Thrust Force X, Z | 4000 lbs. (1815 kg) |

GENERAL:

| | |
|------------------------------|-----------------------------|
| Machine Height | 83" (2108 mm) |
| Floor Space Required (W x D) | 246" x 84" (6250 x 2133 mm) |
| Machine Weight | 17,200 lbs. (7800 kg) |
| Power Required | 30 KVA / 80 amps |
| Voltage Required | 208-240 Volts / 3 Phase |

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 conveyor 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
- High torque AC digital servo drives
- 8 position turret
- Chip conveyor
- Rear chuck mount
- UL certified

Machine Options

- Roller type steady rest
- Follow rest
- Manual chucks
- 5 C collet closer
- Hydraulic chuck packages

CONTROL FEATURES

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
- 12" LCD active matrix color display
- Conversational plus G & M code programming including drilling, boring, tapping, turning, facing, threading, bolt hole (C axis), tangent/circle generate
- 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 load meter
- User definable macros with trig assist
- USB connectivity
- MTConnect compliant
- Networking

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