

SL12

Box Way Turning Center

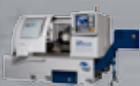
• Chuck: 12" • Bar Capacity: 3.58"



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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 Axis Travel	8.85" (225 mm)
Z Axis Travel	29.5"(750 mm)
Z Axis Travel – Optional Extended Bed	49.2"(1250 mm)
Swing Over Way Cover (Diam)	30" (760 mm)
Swing Over Carriage (Diam)	23" (600 mm)
Max Turning Diameter	17.71" (450 mm)

SPINDLE:

Spindle Nose	A2-8
Spindle Bar Capacity	3.58" (91 mm)
Chuck Size	12" (305 mm)
Spindle Range	25-2500 RPM
AC Spindle Motor	35/25 HP (26/18 kW) 2 Speed
Spindle Torque	740 ft-lbs (1003 N.m)

TURRET:

Number of Tools	8
Tooling Size	1.25" (32 mm)
Boring Bar Capacity	2.0" (50 mm)
Tool Selection	Bi-directional

TAILSTOCK:

Tailstock Quill Travel	4.7" (120 mm)
Tailstock Quill Diameter	3.54" (90 mm)
Tailstock Thrust	584 lbs (265 kg)
Tailstock Quill Taper	MT5

MOTION:

X, Z Axis Rapid Traverse Rate	1000 IPM (25.4 m/min)
Max. Cutting Feed Rate	400 IPM (10.16 m/min)
X Axis Ballscrew Diameter	1.42" (36 mm)
Z Axis Ballscrew Diameter	1.97" (50 mm)
Positioning Accuracy	+/- .00039" (+/- .001 mm)
Repeatability	+/- .00019" (.005 mm)
Axis Thrust Force X/Z	1000/2000 lbs. (450/950 kg)

GENERAL:

Machine Height	81" (2050 mm)
Floor Space Required (W x D)	124" x 70" (3150 x 1765 mm)
Floor Space – Extended Bed	144" x 70" (3660 x 1765 mm)
Machine Weight – Standard Bed	13,250 lbs. (6000 kg)
Machine Weight – Extended Bed	18,750 lbs. (8500 kg)
Power Required	48 KVA 125 amps
Voltage Required	208-240 Volts / 3 Phase

MACHINE FEATURES

Machine Standards

- Heavy duty box way construction
- Automatic metered lubrication with low lube fault
- Metal way cover construction
- Flood coolant system
- Heavy duty metal enclosure with sliding door
- Precision ground ball screws
- Door interlock safety switch
- 10" hydraulic 3 jaw chuck with foot switch
- Single spare "M" function and CNC "wait" channel
- Tooling set with 1 axial and 2 boring bar holders with 8 wedge blocks
- Work light
- End of cycle light
- Remote electronic handwheel (MPG)
- Rigid tapping
- Parts catcher
- Chip conveyor
- Edit key lock out switch
- 1.25" 8 position automatic turret
- High torque AC digital servo drives
- UL Certified

Machine Options

- Extended bed length to 49"
- Manual tool setter with macros

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, 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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