

RH30

Rigid Head Toolroom Bed Mill

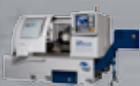
• Table: 73" x 24" • Travels: 60" x 30" x 28"



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Slant Bed
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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:

Travels	60 x 30 x 28" (1525 x 760 x 710 mm)
Table Size	73 x 24" (1850 x 610 mm)
Allowable Table Load	3000 lbs. (1360 kg)
T-Slot Size	.71" (18 mm)

SPINDLE:

Spindle Gage Line to Table Distance	2.5-30.5" (65-775 mm)
Column to Spindle Center	30.5" (775 mm)
Spindle Taper	ISO No. 40
Spindle Speed (Std)	8,000 RPM
Spindle Speed (Opt)	15,000 RPM
AC Spindle Motor	24/15 HP (18/11 kW) 2 Speed
Spindle Torque (Std w/8,000 RPM)	85 ft-lbs (115 N.m)
Spindle Torque (Opt w/8,000 RPM)	250 ft-lbs (339 N.m)

OPTIONAL AUTOMATIC TOOL CHANGER:

ATC Type	24 Carousel
Tool Shank	CT40
Pull Stud	MAS 60° Retention Knob Style
Max. Tool Diameter	3.5" (80 mm)
Max. Tool Length	11" (279 mm)
Max. Tool Weight	15 lbs. (7kg)

MOTION:

X/Y, Z Axis Rapid Traverse Rate	500/400 IPM (12/10 m/min)
Max. Cutting Feed Rate	300 IPM (7.6 m/min)
Positioning Accuracy	+/- 0.00039" (+/- 0.010 mm)
Repeatability	0.0002" (0.005 mm)
Axis Thrust Force X/Y,Z	3000/4000 lbs. (1360/1800 kg)

GENERAL:

Machine Height	133" (3378 mm)
Floor Space Required (W x D)	169 x 99" (4293 x 2515 mm)
Machine Weight	11,000 lbs. (5000 kg)
Power Required	30 KVA / 80 amps
Voltage Required	208-240 Volts / 3 Phase

MACHINE FEATURES

Machine Standards

- Massive heavily ribbed machine tool grade cast iron construction
- Fully ground solid ways with Turcite surfaces
- Precision ground double anchored ballscrews with dampening couplings
- Metal way covers
- Box ways on column and base
- Automatic metered lubrication with low lube fault
- CT40, 8000 RPM air purged spindle
- Spindle taper blow-out and tool release push button
- Rigid tap
- LCD hour meter
- 70 mm spindle
- Remote electronic handwheel
- Coolant drip pan
- Rear splash guards
- Work lamp
- Removable table chip guard
- Offline FastCAM software for programming and training
- High torque AC digital servo drives
- UL certified

Machine Options

- Work offset probing
- 24 pocket carousel ATC
- 15,000 RPM spindle
- 4th axis options
- Programmable spray mist

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 coordinate rotating, scaling, mirror image, thread mill engraving, helical interpolation, auto routines, and user definable macros with trig assist and irregular pocket clearing
- 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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