

# RH20

- 3 Axis CNC Bed Mill
- Table : 54" x 16"
- Travels : 40" x 20" x 24"
- Control : 8200-B



Shown with options



**MILLTRONICS USA**  
LET'S INVENT

## SPECIFICATIONS:

<b>CAPACITY:</b>	
X/Y/Z Travels	40 x 20 x 24" (1015 x 510 x 610 mm)
Table Size	54 x 16" (1370 mm x 405 mm)
Allowable Table Load	2500 lbs. (1130 kg)
T-Slot Size	.63" (16 mm)

<b>SPINDLE:</b>	
Spindle Gage Line to Table Distance	2-26" (50-660 mm)
Column to Spindle Center	21" (530 mm)
Spindle Taper	ISO No. 40
Spindle Speed (std)	8,000 RPM
AC Spindle Motor	24/15 HP (18/11 kW)
Spindle Torque (w/8,000 RPM)	85 ft-lbs (115 N.m)

<b>MOTION:</b>	
X/Y/Z Axis Rapid Traverse Rate	500/300 IPM (12/7.6 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)

### 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	6" (150 mm)
Max. Tool Weight	15 lbs. (7 kg)

<b>GENERAL:</b>	
Machine Height	103" (2616.2 mm)
Floor Space Required (W x D)	129 x 82" (3276.6 x 2083 mm)
Machine Weight	8000 lbs. (3628 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
- Front panel mounted electronic handwheel and handwheel controlled program execution
- LCD hour meter
- Remote electronic handwheel
- Coolant drip pan
- Programmable spray mist
- Rear splash guards
- Work lamp
- Removable table chip guard
- High torque AC digital servo drives
- UL certified

### MACHINE OPTIONS:

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



## 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

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