

TRUMP CNC Rigid Bed Mills



The ATRUMP CNC rigid bed mills designed for fast and efficient production of short-run and one-off parts. User friendly, conversational software and unique manual /automatic operation making these machines ideal for the tool-room

Machine Standard Features

- Powerful 5 hp spindle motor for NT40, (3hp for R8)
- Inverter variable speed drive with Hi/Low gear 2 speed ranges
- Hardened and ground spindle with NT40 taper
- Hardened and chromed quill with 5" travel
- P4 ABEC7 angular contact spindle bearings
- C5 double nut X/Y/Z axes 32mm diameter ballscrew
- Hardened and ground table surface
- Ground T-slots to provide accurate reference edge
- Hardened and ground, square X/Y ways
- Turcite B coating on saddle X/Y axes ways
- Meehanite castings for superior rigidity and wear resistance
- Standard Rubber way cover on three axes
- X/Y axes handwheels
- Coolant system with pump
- Automatic lubrication
- Base chip tray and rear splash guard
- Halogen work light
- Tools, toolbox

Specifications

	BM-430BV I (B3FC)	BM-430BV II (B5FC)	BM-430BV III (B6FC)
TRAVEL			
Table size (mm)	254 x 1370 (10" x 54")		305 x 1520 (12" x 60")
Longitudinal travel (X-axis)	812 mm (32")		1050 mm (41.3")
Cross travel (Y-axis)	460 mm (18")		500 mm (19.6")
Vertical travel (Z-axis)	510 mm (20")		560 mm (22")
Spindle nose to table top	110 – 670 mm		110 – 670 mm
Spindle center to column	470 mm (18")		510 mm (20")
Length of Saddle on Bed	600 mm		1000 mm
Max. Table loading cap.	300 KGS		500 KGS
SPINDLE:			
Spindle Motor	3 hp	5 hp	5 hp
Spindle speed range	80 – 4200 rpm		80 – 4200 rpm
Spindle Taper	R8	NT40	NT40
Head swivel (Right/ Left)	90 degrees		90 degrees
FEED			
Feed Motor (X-Y-Z)	1 kW, AC		1 kW, AC
Rapid traverse (X-Y-Z)	5,000 mm/min (196 ipm)		
Cutting feed rate	3,000 mm/min (118 ipm)		
Coolant pump motor	1/8 hp		
Lubrication pump	150 W		
Power required	10 KVA		
Air required	6 kg/cm (85 psi)		
Machine weight (Approx)	2,000 KGS		2,300 KGS

STANDARD ACCESSORIES:

● Tools & box 工具及工具箱	● Splash Guard 兩側後擋板及水盤
● Leveling bolts & plate 調整墊塊及螺絲	● Coolant system 冷卻水裝置
● Auto lube system 自動潤滑器	● Halogen work light 工作石英燈
● Operation manual	● 5 hp 變頻馬達

Optional Equipment

- Air power drawbar



Toolroom CNC Bed Mills with Manual Quill

The Atrump CNC rigid bed mills was designed for tool room, prototype and mold making uses, we offer user friendly, high quality, affordable machines, and it's the best value for the money.



BM-460T: 1000 x 500 x 510 x 127 mm (X-Y-Z-Quill Travel)

BM-560T: 1300 x 610 x 630 x 140 mm (X-Y-Z-Quill Travel)

BM-600T: 1500 x 610 x 630 x 140 mm (X-Y-Z-Quill Travel)

It was a three axis bed mill, with a manual quill and handwheels for manual use, the machines gives you the flexibility to use in manual, semi-CNC or full-CNC modes for job shop and toolroom applications

Reliability, Accuracy and Quality

Specifications

	BM-460 T (B7FC)	BM-560 T (B8FC)	BM-600 T (B9FC)
TRAVEL			
Table size (mm)	400 x 1370 (16" x 54")	420 x 1600 (17" x 63")	450 x 1800 (18" x 70")
Longitudinal travel (X-axis)	1016 mm (40")	1300 mm (51")	1500 mm (60")
Cross travel (Y-axis)	510 mm (20")	630 mm (24.5")	630 mm (24.5")
Vertical travel (Z-axis)	560 mm (22")	610 mm (24")	610 mm (24")
Spindle nose to table top	100-660mm(4"-26")	120-750mm (5"-30")	120-750mm (5"-30")
Spindle center to column	550 mm	660 mm	660 mm
Max. Table loading cap.	1550 lbs	2000 lbs	2000 lbs
SPINDLE:			
Spindle Motor	7.5 hp	10 hp	10 hp
Spindle speed range	60 – 4500 rpm	60 – 5000 rpm	
Spindle Taper	NT40	NT40	NT40
Quill diameter	Ø105mm (4.125")	Ø110 mm (4.330")	Ø110 mm (4.330")
Quill Travel	127 mm (5")	150 mm (6")	150 mm (6")
Head swivel (Right/ Left)	±45 degrees		±45 degrees
FEED			
Feed Motor (X-Y-Z)	1 kW, AC	2 kW, AC	2 kW, AC
Rapid traverse (X-Y-Z)	10,000 mm/min (393.70 ipm)		
Cutting feed rate	5,000 mm/min (196 ipm)		
Coolant pump motor	1/8 hp		
Coolant Capacity	16 Gallons		
Lubrication pump	150 W		
Power required	15 KVA		
Air required	6 kg/cm (85 psi)		
Packing size (W x D x H)	65"x78"x82"	72" x 84" x 88"	80" x 84" x 88"
Operation dimensions	115" x 78" x 96"	165" x 84" x 105"	175" x 84" x 105"
Machine weight (Approx)	3,100 kg (6820 lbs)	3,800 kg (8360 lbs)	4,000 kg (8800 lbs)



- Centroid M400 control with 15" LCD
- 7.5HP (10HP) Spindle Motor, CAT40 Spindle Taper
- 4,500 and 5,000 rpm spindle speed
- Hardened & Ground with turcite-B coating guide way
- C3 Double nut precision ball screws hardened & ground for high accuracy and long asting
- FC30 Meehanite Casting main frame with annealed & stress relieved for long term eliability
- 100% Laser tested for positioning accuracy & repeatability
- Telescopic steel way cover on three axes
- Tool box & Tools
- Coolant System
- Central lubrication system
- Built-in Quartz work light

Standard Accessories:

Tools & box	Table guarding	Shop floor programming/Conversational
Leveling bolts & plate	USB 2.0	Auto Lubrication / coolant system
RS-232 Interface	Auto lube system	Halogen work light
Operation manual	Air blast, coolant flush gun	30G solid state hard drive

Additional Accessories information:

Power requirement:	17 KVA 3 phase 208V/230Vmax
Air requirement:	90 - 100 psi (power draw bar opt.)
Type of oil for Way oil / oil chiller / pneumatic oil:	Mobil Vactra #2 / Shell Tellus 32 / Air tool oil
Coolant capacity:	26 Gallons



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