

Baron Max



CNC Bed Mills with Heavy Rigid Spindle

The Baron Max BM-H Series provides fast, reliable performance in a compact footprint for job shop and toolroom applications,



High Efficiency, The Mold Maker's Choice



Machine Standard Features

- Powerful 10 hp or 15 HP spindle motor
- Rigidity Cartridge Spindle, BT40/ 8,000 rpm speed
- Hardened & Ground with turcite-B coating guide way
- C3 Double nut precision ball screws hardened & ground for high accuracy and long lasting
- FC30 Meehanite Casting main frame with annealed & stress relieved for long term reliability
- 100% Laser & ballbar tested for positioning accuracy & repeatability
- Box ways on Y & Z axis for maximum rigidity & stability
- 16 stations automatic tool change as an option
- Telescopic steel way cover on all X/Y/Z axes
- Base chip tray and rear splash guard
- Table Mounted chip guard w/Two sliding doors
- Coolant System
- Central lubrication system
- Built-in Quartz work light





CNC 8055i FL MC

Ideal for large production lines and for unitary parts applications



- New Conversational Digitizing Cycles makes Digitizing extremely quick and easy
- 11" high resolution LCD Color Monitor
- 255 Tool Length, Diameter & Wear Offset
- High-Speed Algorithms
- Ethernet Capability, USB port standard
- Powerful Interactive Graphic Interface for easy programming - No Prior CNC knowledge required.
- Memory (512MB) & DNC communication
- Two ways of programming: Icon Based Conversational and G Code (On-line)
- Solid & Tool Path Graphic Simulation with zoom and part rotation
- Advanced Look Ahead 100 Block
- High-Level Programming
- On board PLC
- High-Speed Algorithms

SINUMERIK 808D

Performance! Simply Smart!



Benefits:

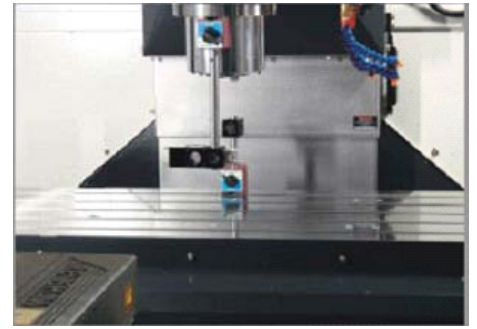
- SINUMERIK Operate BASIC
simple and intuitive operator interface thanks to dialog-based user support, maximum operator convenience similar to SINUMERIK 828D
- SINUMERIK programGUIDE BASIC
Wide range of technology cycles for milling and drilling with graphical input screens
- SINUMERIK MDynamics
Perfectly set up for mold & die application
- Easy data transmission via USB stick

Available CNC Control Siemens 802D sl Pro/ 828D Basic

Full range, Quality Assurance.
100% Laser and Ball Bar Tested Before Shipping.....



Every machine is measured & calibrated by a Renishaw Laser and Ball-Bar analysis and undergoes a rigorous 50 hours of non-stop running before shipment. A certificate of accuracy is also included for each machine.



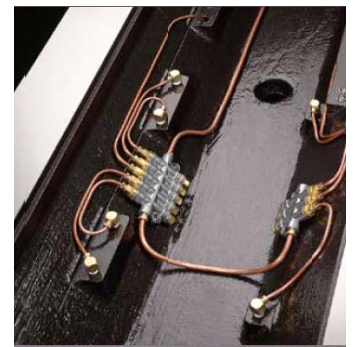
Features:



High performance Spindle



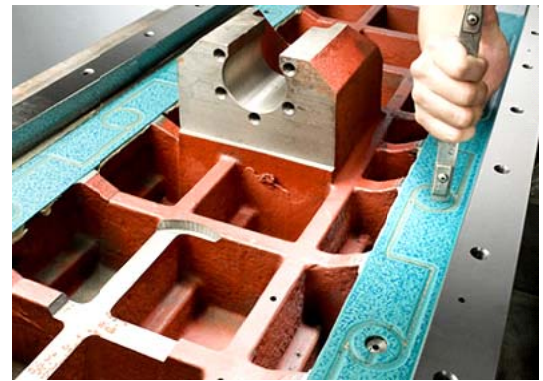
Largest and rigidity column



Automatic Lubrication



Telescopic steel way Cover on X-Y-Z



Hand-scraped mating surface

Specifications of BM-H series

Model	BM-560H			
Spec.	BM-430H	BM-460H	BM-600H	BM-630H
TRAVEL				
Longitudinal travel (X-axis)	31.5" (800mm)	39.37" (1000mm)	51.18" (1300mm) 59" (1500mm)	59" (1500mm)
Cross travel (Y-axis)	15.75" (400mm)	20" (500 mm)	24" (600 mm)	33.46" (850mm)
Vertical travel (Z-axis)	15.75" (400mm)	20" (500 mm)	24" (600 mm)	27.9" (710mm)
Spindle nose to table top	100-550	100-600	100-700 mm	100-810 mm
Spindle center to column	450 mm	550 mm	650 mm	750 mm

TABLE				
Table size	14"x50"(355*1270)	16"x54"(406*1372)	16.5x63"(420*1600)	24"x73"(610*1854)
T-slots (W x No.x P)		16 x 3 x 60 mm		18 x 5 x 70 mm
Max. Table load capacity	400 KG	700 KGs	700 KGs	1500 KGs

SPINDLE				
Spindle Motor	7.5 HP	10 HP (Standard) , 15 HP (Option)		
Spindle speed (STD)	60 – 8000 rpm (Standard), 10000rpm / 12,000 rpm (Option)			
Spindle Taper (standard)	BT# 40(STD.), CT#40 or DIN 69871A(Option)			
Feed Motor torque (X-Y-Z)	6 Nm (1.5 KW)	11 Nm (2.0 KW)		
Rapid traverse (X-Y-Z)	10,000 mm/min			
Cutting feedrate (X-Y-Z)	5,000 mm/min			

ACCURACY				
Positioning	±0.010 mm (±0.0004")			
Positioning repeatability	±0.005 mm (±0.0002")			

AUTOMATIC TOOL CHANGER: Carousel Type for H-Head only - Optional

No. of tools.	16 Pockets		20 Pockets	
Tool selection	By address code, Random/bi-directional rotation			
Pull stud	MAS 403-P40T (45°) or PS-CAT40 (45°)			
Max. Tool (Dia. x length)	φ80mm (3.2") x 250 mm (10")			
Max. Tool weight	7 Kgs			
Tool change time	7 sec (Tool to Tool)			
Packing size (shipment)	230x230x255	230x230x255	230x320x255	230x355x265
Power required	15 KVA		20 KVA	
Air required	6 kg/cm (85 psi)			
Machine weight (Approx)	2,850 Kgs	3,200 Kgs	4,000 Kg	5,300 Kgs

* Specifications are subject to change without notice

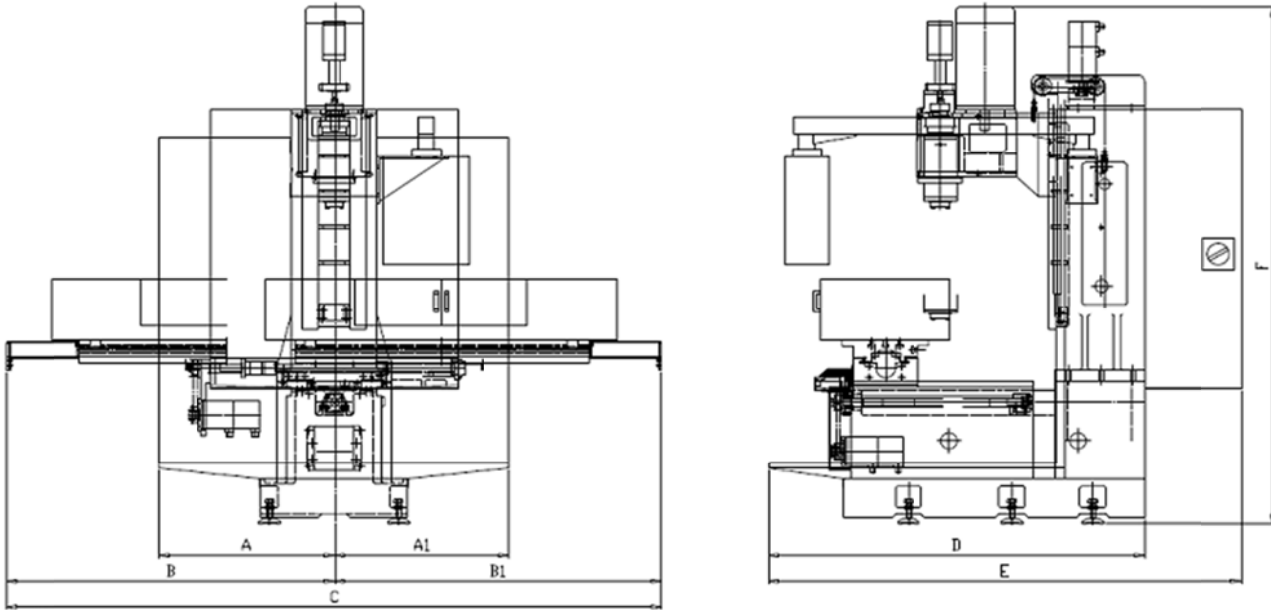
Standard Accessories:

- Tools & box
- Leveling bolts & plate
- Auto lube system
- Operation manual
- Splash Guard
- Coolant system
- Halogen work light
- 10 hp

Optional Equipment

- 12,000 rpm speed with Spindle chiller
- 16 station Carousel-Type automatic tool change
- 20 station Carousel-Type automatic tool change
- Coolant through Spindle preparation.
- Thru hole drill kit with Filter system 5 bar.
- Fully Enclosed splash guard for CE

Machine Dimension:



TYPE	A	A1	B	B1	C	D	E	F
BM-430H	680	680	1,300	1,300	2,600	1,575	2,025	2,335
BM-460H	705	705	1,545	1,545	3,090	1,720	2,170	2,500
BM-560H	810	810	1,915	1,895	3,810	1,920	2,380	2,680
BM-600H	810	810	2,155	2,145	4,300	2,080	2,540	2,680