

CNC Bed Mill Model: A3-10H

- **Centroid M400i control with 15" LCD**
- **10 HP spindle motor, CAT40/BT40 spindle taper**
- **8,000 rpm spindle speed**
- Hardened & ground with Turcite-B coating guide way
- 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 tested for positioning accuracy & repeatability
- Box ways design on Y & Z to provide maximum rigidity & stability. Dovetail way on X
- Standard roller way cover on rear Y and Z
- Telescopic metal way cover on front Y
- Tool box & tools
- Coolant system
- Auto lubrication
- Built-in Quartz work light
- Portable hand wheel (opt)



Specification

Table:	13" x 60"
Longitudinal travel:	39.3"
Cross travel:	19.6"
Vertical travel:	24"
Saddle size:	47.2"
Spindle nose to table top (D):.....	3.9" to 29.1"
Spindle taper:	CAT40/BT40
Spindle speed:	8000 rpm
Load capacity:	1100 lbs
T-slot:	0.62" x 3 x 2.55"
Transmission of spindle & motor:.....	Belt

Feed Rate

Rapid feed rate:	X/Y/Z: 250 ipm AC
Cutting feed rate:	120 ipm

Motor

Spindle motor/max torque:	10 HP
Servo motors on XYZ:	1 kW-AC
Coolant pump:	1/8 HP
Lubrication pump:.....	150 W
Power requirement:	15 KVA, 3 Phase 208V to 230V (Max)
Length x width x height:	91.4" x 69.6" x 91.7"



Floor space:..... 135.8" x 111.8"
 Net weight: 4600 lbs

Dimension & Weight

Model	Spindle	Travel X/Y/Z	CNC System	Spindle Motor	Axes Motor	FOB CA
A3-10H	CAT40/BT40	39.3/19.6/24"	M400i	10 HP	1 kW-AC	\$45,300

Standard Accessories

Tools & box	Leveling bolts & plate	RS-232 interface
Operation manual	15" color LCD	Auto lube system
Coolant system	Halfenclosed splash guard	USB 2.0 port
Halogen work light	60 GB solid state hard drive	Shop floor programming/Conversational
Table guard	Standard way cover on X & Z	Metal way cover on front Y

Optional Machine Accessories

CK-001	52pcs Clamping Kit slot: 5/8" (16mm) stud: 1/2-13	\$80
CP-MIST	Mist Coolant System	\$715
WISE-6	6" Angle Vise W/ Swivel Base (Import)	\$360
UP-COV-YZ	Upgrade to telescopic metal cover on rear Y and Z. (Y travel may reduce 1")	\$600

Optional Software Accessories

10620	Compression tapping	Free
10610	User definable Macros and sub programs [M98 & G65]	Free
10851	Cutter compensation	Free
10360	4th axis software	Free
10630	Unlimited part program size	\$550
10730	Intercon off-line conversational program (for your desktop PC)	\$275
10850	Coordinate system rotation (CSR)	\$220
10625	Scaling and mirroring [G50 & G51]	\$220
10814	DXF in, CAD drawing input software	\$305
10740	Engraving software	\$500
11069	100 Step MPG	\$495
Digitizing & Probing		
10405	DP-4 probing package w/ CSR (10850)	\$1,590
12486	DP-7 probing package w/ CSR (10850)	\$4,200
10770	2D & 3D digitizing software (requires 10405)	\$3,350
10220	TT-1; Tool touch off kit	\$649
12468	TT-2; Tool touch off kit	\$1,295
10772	Tool room package (10405 & 10220 & 10600 work coordinate)	\$2,239

Additional Accessories Information

Power requirement: 15 KVA 3 phase 208V to 230V (Max)
 Air requirement: With opt. power draw bar 90 - 100 psi
 Type of oil for way oil / oil chiller / pneumatic oil: Mobil Vectra #2/ Shell Tellus 32/ Air tool oil
 Coolant capacity: 7 Gallons



Terms & Conditions

F.O.B.: Pomona, CA 91768
Delivery: Please check with Machines in Motion, Inc. Sales Team
Standard Terms Of Payment: 20% down-payment, balanced due on machine delivery
Taxes: Federal, State, Local Taxes are the responsibility of Purchaser.
Validity: This proposal is valid for 30 days.
Training: ~~\$850/Day plus travel expense. (U.S.A only)~~
Included at no charge when purchasing from Machines in Motion, Inc.
Warranty: One-year limited warranty for any defects in material or workmanship of machine tool and factory installed components. Visit www.atrump.com/policy for full warranty details & contract.
**** WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE ****

This machine can also be purchased with a quill type head providing manual feed for quick drilling jobs. With the quill type head you will have:
7.5 H.P. instead of 10 H.P.
4200RPM instead of 8000RPM
No extra cost for this option.

Machines in Motion, Inc.

Our primary focus is the installation of new Centroid CNC controls on to experienced CNC machine tools. This puts us in contact with many customers weighing the pros and cons of a CNC control upgrade against the cost of a new CNC mill. We sell and fully support the Atrump line of CNC mills built with the Centroid CNC controller.

Because Machines in Motion, Inc. is not a traditional *hard sell* machinery dealer you won't see a lot of fancy web pages, videos, or in your face advertising. We like our customers! We work hard to provide you with the right machine to fit your business needs.

Atrump machines are built with classic box way construction. A well proven technology using hand scraped – Turcite sliding surfaces, High pressure lube systems, and digital AC Brushless servo motors & drives. Couple these features with the simple to use Centroid CNC controller and you too will see a noticeable improvement in shop productivity.

Visit one of our other web sites.

Centroid users club: <http://www.centroidusersclub.com/> where we answer your questions to the benefit of all Centroid control users.

Control retrofit site: <http://cnc-machine-controls.com/> Information about upgrading your existing CNC machine with the professional level Centroid CNC control.

New CNC Mills site: <http://cncmachinesinmotion.com/> Information about new CNC milling machines with the professional level Centroid CNC control.