

## CNC Bed Mill Model: A2-5T

- Centroid M400i control with 15" LCD
- 5HP spindle motor, NST40/NMTB40 spindle taper
- 4,000 rpm spindle speed with Hi-Logear
- Hardened & ground with Turcite-B coating guide way
- Double nut precision ball screws hardened & ground for high accuracy and long lasting
- FC30Meehanitecasting main frame with annealed & stress relieved for long term reliability
- 100% laser tested for positioning accuracy & repeatability
- Box ways design on Y & Z axis to provide maximum rigidity & stability
- Standard way covers on all three axes
- Tool box & tools
- Coolant system
- Central lubrication system
- Built-in Quartz work light
- Portable hand wheel (opt)



### Specification

Table: .....	10" x 54"
Longitudinal travel: .....	33.8"
Cross travel: .....	19.6"
Vertical travel: .....	24"
Saddle size: .....	20.07"
Quill travel: .....	5"
Quill diameter: .....	3.93"
Spindle nose to table top (D):.....	3.93" to 27.5"
Spindle taper: .....	NST40/NMTB40
Spindle speed: .....	70 to 4000 rpm with Hi/Lo gear
Load capacity: .....	1100 lbs
T-slot: .....	0.62" x 3 x 2.55"
Transmission of spindle & motor:.....	Timing Belt
Head swivel (right/left): .....	90 degrees

### Feed Rate

Rapid feed rate: .....	X/Y/Z: 240ipm AC
Cutting feed rate: .....	1 to 120 ipm

### Motor

Spindle motor/max torque: .....	5HP
Servo motors on XYZ: .....	1 kW - AC
Coolant pump: .....	1/8 HP
Lubrication pump:.....	150 W
Power requirement: .....	10 KVA, 3 Phase 208V to 230V (Max)



**Dimension & Weight**

Length x width x height: ..... 115.6" x 82.7" x 101.6"  
 Net weight: ..... 4550 lbs

Model	Spindle	Travel X/Y/Z	CNC System	Spindle Motor	Axes Motor	FOB CA
A2-5T	NMTB40	33.8/19.6/24"	M400i	3.7kW(5HP)	1 kW-AC	<b>\$37,085</b>

**Standard Accessories**

Tools & box	Leveling bolts & plate	RS-232 interface
Operation manual	15" color LCD	Auto lube system
Coolant system	Splash guard	USB 2.0 port
Halogen work light	60 GB solid state hard drive	Shop floor programming/Conversational

**Optional Machine Accessories**

CK-001	52pcs Clamping Kit slot: 5/8" (16mm) stud: 1/2-13	\$80
CP-MIST	Mist Coolant System	\$715
PDB-MAX	Power Draw Bar-Maxi-Torque	\$710
PDB-MAX-L	Installation of Power Draw bar	\$100
QUILL-Z	Z axis Scale feedback for 3rd Quill axis	\$1,235
WISE-6	6" Angle Vise W/ Swivel Base (Import)	\$360

**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
<u>Digitizing &amp; Probing</u>		
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	\$725
12468	TT-2; Tool touch off kit	\$1,350
10772	Tool room package (10405 & 10220 & 10600 work coordinate)	\$2,239

**Additional Accessories Information**

Power requirement: ..... 10 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



**Machines in Motion, Inc.**  
**Sales-Service-Training**  
**Office 714 528-7061**

### **Terms & Conditions**

F.O.B.: Pomona, CA 91768  
Delivery: Please check with Atrump's 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)  
Warranty: One-year limited warranty for any defects in material or workmanship of machine tool and factory installed components. Visit [www.atrump.com/policy](http://www.atrump.com/policy) for full warranty details & contract.  
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### **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.

**Machines in Motion, Inc. Domestic machinery sales.**  
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