



ATRUMP MACHINERY, INC.

URL: <http://cncmachinesinmotion.com>
E-mail: socaltech@adelphia.net



993 Carbon Canyon Rd. Chino Hills, CA 91709
Office: (714) 528-7061 Fax: (714) 528-4892

CNC Bed Model: B3EC

2008

MACHINE FEATURES

- ISO 9001 QUALITY ASSURANCE
- FINITE ELEMENT ANALYSIS (FEA)
- MEEHANITE CASTING TO PROVIDE MAXIMUM RIGIDITY AND STABILITY.
- HARDENED & GROUND TABLE.
- HEAVY BOX WAYS ON Y & Z-AXIS.
- WIDE SADDLE TO ENSURE ACCURATE POSITIONING.
- WAY COVERS FOR X, Y, & Z
- LATEST CENTROID CONTROL M-400 WITH 15" LCD MONITOR.
- 3-AXIS DC 29 IN/LBS. SERVO DRIVE MOTOR WITH BELT DRIVEN.
- CLASS 7 BEARING FOR SPINDLE RUN OUT LESS THAN 0.00015".
- 220 V., 5 HP. ELECTRONIC VARI SPEED WITH SPINDLE S CONTROL.
- SPINDLE TAPER CAT 40 std. OR NMTB 40
- HARD LIMIT SWITCHES.
- BUILT-IN QUARTZ WORK LIGHT
- LASER COMPENSATION TO ENSURE HIGH ACCURACY +/-0.0004" POSITION 0.0002" REPEATABILITY
- ALL AXES HAVE HIGH PRECISION, CLASS C3 BALLSCREW TO ENSURE POSITION ACCURACY.
- AUTOMATIC FLOOD (M8) COOLANT SYSTEM std. MIST COOLANT (M7) optional.
- AUTOMATIC (JUST ENOUGH) LUBRICATION SYSTEM PREVENTS OVER OILING.
- MACHINE MADE IN TAIWAN, CONTROL MADE IN U.S.A.



Specification:

Table:	10" x 50"
Longitudinal travel (x axis):	31.5"
Cross travel:	16"
Z axis travel cnc quill:	20"
Table load capacity:	1000 lbs.
Spindle taper:	CAT-40 taper or NMTB-40 taper
Spindle speed (r. p.m.):	60 to 6000 rpm with High torque low range feature
Spindle center to column:	17"
Spindle nose to table:	3" to 23"
Spindle bearings:	ABEC class 7 p4
Number of tool pockets:	Manual tool change
3-axis drive motor:	DC 29 in/lbs motor (1 Kw AC brushless optional)
Positioning:	±0.0004"
Repeatability:	±0.0002"
Maximum rapid speeds:	150 ipm. (29 in/lb) 360 ipm (1 Kw)
Maximum feed rate:	125 ipm.
Minimum input increment:	0.0001"

Motors:

Spindle motor/max torque:	5 H.P., 3Φ 220 VOLTS
Coolant pump (optional)	1/8 H.P. 220VAC 3 phase
Lubrication pump:	Automatic "Just enough" central lubrication
Power requirement:	6.5 KVA. 208 – 230VAC 3 phase
Length X Width X Height (LXWXH):	116" X 61" X 89"
Net Weight:	4,500 LBS.



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AUTOMATIC TOOL CHANGER:

ATC type:	Power draw bar
Max. tool diameter:	Φ3.54"
Max. tool weight:	15 LBS.
Spindle will accept NTS-40 or CAT 40 tool holders	Choose at time of purchase

Pricing

Model	Spindle	Travels X, Y, Z	Tool Change	Servo Motors	Spindle motor	Control	DC Servo Price	*Larger servo motors
B3EC	40 Taper	31.5", 16", 20"	Manual	29"/lbs. DC	5 H.P.	M-400S	\$32,450.00	*33,550.00

Standard accessories:

Tools & Toolbox	29"/lbs. DC servo motors	Files transfer by USB or Ethernet
Leveling bolts and plates	Power draw bar unit	Coolant System
Way covers	Automatic Central Lube	Halogen work light
Operation manual	40 taper Spindle	Chip Guards

Machine and control options:

1. Programmable spray mist coolant	\$ 635.00
2. High voltage option 440 or 480VAC incoming power	\$ Call
3. Single phase (1) 240 volts (change the coolant and the spindle driver)	\$ 800.00
4. Spindle motor upgrade from 5 hp. to 7.5 hp.	\$1,100.00
5. Table chip guard sheet metal.	\$ 800.00
5. 4 th axis rotary table. Many sizes to choose from.	Available
6. MPG Manual Pulse Generator	\$ 670.00
7. Multi work coordinate system [G55-59]	\$ 700.00
8. Subprograms & Macros [M98 & G65]	\$1,495.00
9. Scaling and Mirroring [G50 & G51]	\$ 495.00
10. Unlimited Program Memory (1 meg is standard)	\$1,495.00
11. Millwrite Engraving software.	\$ 665.00
12. Compression tapping	\$ 350.00
13. Laser Ball screw mapping	Included
14. Intercon programming software for your desk top PC (standard on your control)	\$ 840.00
15. DXF input, tool path generator	\$ 495.00
16. Setup of network communication between your control and one desk top computer.	Available
17. Probing package includes DP-4 probe hardware and probing cycles software.	\$2,210.00
18. TT-1 Tool height touch off kit. Comes with touch off sensor hardware and software.	\$ 755.00
19. Coordinate System Rotation. Electronically skews your G-code program to the part's orientation.	\$ 495.00
20. Deluxe tool room package. DP-4 probe with probing, TT-1, & Coordinate System Rotation.	\$3,520.00
21. Digitizing software (3D surface copying). Complete package includes Unlimited program memory and Scaling & mirroring software options. Also includes Mold Magic, desk top software for reposting digitized tool path compensating for different tool sizes and milling step over.	\$4,200.00

Pricing F.O.B. Pomona, CA

STANDARD TERMS OF PAYMENT:

20% down-payment, balance due at time of shipment.
Terms can be negotiated to accommodate lenders and leasing company requirements.

VALIDITY: This proposal is valid for 60 days.

Training: CNC Machines purchased from Machines in Motion Inc. include free machine setup and on-site control use training
Additional days of on-site services are available at ½ our normal daily rate. Travel related expenses additional.

WARRANTY: One-year warranty for any defects in material or workmanship of machine
tool and factory installed components.

Contact: Doug Laursen of Machines in Motion Inc. **Personal cell phone number 714 404-2996**

**** WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE ****