



# ATRUMP MACHINERY, INC.

URL: <http://cncmachinesinmotion.com>  
E-mail: [socaltech@adelphia.net](mailto:socaltech@adelphia.net)



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

## *CNC Bed mill Model: E6FC*

With manual X, Y, & quill feed and full 3 axis CNC motion  
2008

### MACHINE FEATURES

- ISO 9001 QUALITY ASSURANCE
- FINITE ELEMENT ANALYSIS (FEA)
- MEEHANITE CASTING TO PROVIDE MAXIMUM RIGIDITY.
- HARDENED & GROUND TABLE.
- HEAVY BOX WAYS ON Y & Z-AXIS.
- WIDE SADDLE TO ENSURE ACCURATE POSITIONING.
- WAY COVERS FOR Y & Z
- LATEST CENTROID CONTROL M-400 WITH 15" LCD MONITOR.
- 3-AXIS DC 40 IN/LBS. SERVO DRIVE MOTOR WITH BELT DRIVEN.
- CLASS 7 BEARING FOR SPINDLE RUN OUT LESS THAN 0.00015".
- 220 V., 6 HP. ELECTRONIC VARI SPEED WITH PROGRAMMABLE SPINDLE CONTROL.
- SPINDLE TAPER MNTB 40 taper std. OR CAT 40 optional
- 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:	14" x 52"
Longitudinal travel (x axis):	41.7"
Cross travel:	22"
Z axis travel cnc quill:	24"
Table load capacity:	1,980 lbs.
Spindle taper:	NMTB-40 taper or optional CAT-40
Spindle speed (r. p.m.):	40 to 4000 rpm with High / low range feature
Spindle center to column:	23.5"
Spindle nose to table:	6" to 30"
Spindle bearings:	ABEC class 7 p4
Number of tool pockets:	Manual tool change
3-axis drive motor:	DC 40 in/lbs motor (1 Kw AC brushless optional)
Positioning:	±0.0004"
Repeatability:	±0.0002"
Maximum rapid speeds:	120 ipm. (29 in/lb) 320 ipm (1 Kw )
Maximum feed rate:	100 / 150 ipm.
Minimum input increment:	0.0001"

### Motors:

Spindle motor/max torque:	6 H.P., 3Φ 220 VOLTS
Coolant pump (optional)	1/8 H.P. 220VAC 3 phase
Lubrication pump:	Automatic "Just enough" central lubrication
Power requirement:	8 KVA. 208 – 230 VAC 3 phase 22 amps
Length X Width X Height (LXWXH):	126" X 81" X 110"
Net Weight:	6,270 LBS.



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ATC type: Manual  
Number of tools:  
Max. tool diameter:  
Max. tool length:  
Max. tool weight:

Power draw bar  
N/A  
Φ3.54"  
N/A  
15 LBS.

### Pricing

Model	Spindle	Travels X, Y, Z	Tool Change	Servo Motors	Spindle motor	Control	DC Servo Price	*AC Servo Price
E6FC	40 Taper	41.7", 22", 24"	Manual	40"/lbs. DC	6 H.P.	M-400S	\$40,955.00	*\$45,155.00

### Standard accessories:

Tools & Toolbox	40"/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	Table chip guards

### Machine and control options:

1. Programmable spray mist coolant	\$ 630.00
2. High voltage option 440 or 480VAC incoming power	\$ 600.00
3. Single phase (1) 240 volts (change the coolant and the spindle driver)	\$ 870.00
4. Smaller 29"/lbs servo motors	-1,000.00
5. Table chip guard sheet metal.	\$ 800.00
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
<b>20. Deluxe tool room package. DP-4 probe with probing, TT-1, &amp; Coordinate System Rotation. *</b>	<b>\$3,520.00</b>
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

F.O.B. Pomona, CA.

\* check our website for additional details on this feature.

### 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 \*\*