



## **CNC BED Mill MODEL: E5FC**

### **MACHINE FEATURES:**

**2008**

- \* **ISO 9001** QUALITY ASSURANCE
- \* LATEST CENTROID CONTROL M400S WITH 15" LCD
- \* 3-AXIS **DIGITAL DC SERVO DRIVE MOTOR.**
- \* **CLASS 7 BEARING** FOR SPINDLE RUN OUT LESS THAN 0.0002".
- \* **5 HP ELECTRONIC PROGRAMMABLE SPINDLE.**
- \* **HARDENED & GROUND** TABLE / CENTER T-SLOT
- \* **MEEHANITE CASTING** TO PROVIDE MAXIMUM RIGIDITY AND STABILITY.
- \* 1-1/4" **PRECISION GROUND BALL SCREWS** WITH DOUBLE NUT FOR ACCURACY MOVEMENT.
- \* **HARDENED & GROUND X & Y WAY** WITH **TURCITE B** COATING TO ELIMINATE STICK-SLIP.
- \* **BOX WAY** ON Y-AXIS & Z-AXIS.
- \* DOVETAIL ON X-AXIS
- \* **CHROME PLATED** Z-AXIS QUILL FOR LONG TERM RELIABILITY.
- \* SAFETY HANDWHEEL FOR CNC / MANUAL MACHINING.
- \* BUILT-IN COOLANT SUMP.
- \* **CAT 40 OR NMTB 40 SPINDLE**, PLEASE SPECIFY AT TIME OF ORDER.
- \* **LASER COMPENSATION** TO ENSURE HIGH ACCURACY +/-0.0004" POSITION 0.0002" REPEATABILITY.
- \* FLOOD COOLANT OR MIST COOLANT SYSTEM (OPT.)
- \* MACHINE MADE IN TAIWAN, **CONTROL MADE IN U.S.A.**



### **SPECIFICATIONS:**

#### **CAPACITY:**

WORK TABLE: _____	54" X 10" (1372 MM X 254 MM)
T SLOTS SIZE: _____	3 X 0.63" (3 X 16 MM)
TABLE LOAD MAX.: _____	1,210 LBS. (450 KGS)
X, Y & Z TRAVEL, CNC MACHINING: _____	35" X 18" X 20" (900MM X 460MM X 510MM)
SPINDLE NOSE TO TABLE: _____	6" TO 26" (160 MM TO 670 MM)
SPINDLE CENTER TO COLUMN: _____	18.5" (470 MM)
TABLE SURFACE TO FLOOR: _____	36.4" (925 MM)

#### **SPINDLE:**

SPINDLE TAPER: _____	<b>NMTB 40 OR CAT 40</b>
SPINDLE MOTOR: _____	3Φ 220 V. <b>5 HP</b> (3Φ 440 V OPT.)
SPINDLE SPEED: _____	LOW: 70-500 RPM, HIGH: 600-4,000 RPM.
SPINDLE HI/LO GEAR RATIO: _____	8.4 TO 1
SPINDLE BEARING: _____	CLASS 7 SUPER PRECISION 7210 MATCHED SET.
	3.937" (100 MM) / 5" (127 MM)

SPINDLE QUILL DIAMETER & TRAVEL: \_\_\_\_\_

#### **X, Y & Z AXIS:**

RAPID FEED: _____	150 IPM. (3.75M)
CUTTING FEED: _____	120 IPM. (3M)
SLIDE WAY TYPE: _____	HARDENED & GROUND WAYS WITH TURCITE B COATING.
BALLSCREW: _____	1-1/4" C3 CLASS PRECISION GROUND BALLSCREW AT X & Y-AXIS
POSITION ACCURACY: _____	+/- 0.0004" (0.01 MM)
REPEATABILITY: _____	+/- 0.0002" (0.005 MM)



# ATRUMP MACHINERY, INC.



URL: <http://cncmachinesinmotion.com>  
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993 Carbon Canyon Rd. Chino Hills, CA 91709  
Office: (714) 528-7061 Fax: (714) 528-4892

## GENERAL:

APPROX. WEIGHT:	_____	5,500 LBS. (2,404.8 KGS.)
FLOOR SPACE:	_____	116" X 75" X 102" (2,950 X 1,900 X 2,580 MM)
COOLANT PUMP:	_____	1/8 HP. 220/440 VOLTS (OPT.)
COOLANT SUMP CAPACITY:	_____	7 GALLONS
POWER REQUIREMENT:	_____	6.5 KVA. / 20 AMPS.

## MACHINE STANDARD ACCESSORIES:

- |                                  |                          |
|----------------------------------|--------------------------|
| - SLIDEWAY COVERS (FRONT & BACK) | - TOOLS & TOOL BOX       |
| - ONE SHOT LUBE SYSTEM           | - SAFETY HANDWHEELS      |
| - QUILL HANDLE                   | - OPERATION/PARTS MANUAL |

## BASE PRICE:

**E5FC CNC BED MILL With 29"/lbs motors**  
**E5FC CNC BED MILL With 40"/lbs motors**

F.O.B. Pomona, CA.	<b>\$ 33,110.00</b>
F.O.B. Pomona, CA.	<b>\$ 34,210.00</b>

## Machine and control options:

1. Programmable spray mist coolant	\$ 575.00
2. High voltage option 440 or 480VAC incoming power	\$ Call
3. Single phase (1) 240 volts (change the coolant Pump and the spindle driver)	\$ 920.00
4. Files transfer by USB or Ethernet	Included
5. Table chip guard sheet metal.	\$1,045.00
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.	\$ 700.00
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

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



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## Software Packages:

- B. Multiple work coordinates, Sub routines and Macros, Scaling and mirroring. All for 1,850.00
- C. Unlimited file size, Scaling and mirroring, Coordinate system rotation. All for 1,699.00
- D. Deluxe tool room package - a "Machines in Motion exclusive offer" including:
  - Tool touch off device and software unlock.
  - Digital touch probe and probing software unlock.
  - Coordinate system rotation unlock. All for 3,520.00

## Digitizing and Probing

- 10405 Probing package includes DP-4 probe hardware and probing cycles software. 2,210.00
- 10228 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
- 10220 TT-1 Tool height touch off kit. Comes with touch off hardware and software. 755.00

## Accessories

- 10014 MPG Handwheel with axis selector 670.00
- 4<sup>th</sup> Axis upgrade Prices start at 3,850.00

## 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 1/2 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 \*\**