

## CNC Bed Mill Model: BM-560T

- Centroid M400 control with 15" LCD
- 10HP spindle motor, NT40 spindle taper
- 4,000 rpm spindle speed
- Hardened & ground with Turcite-B coating guide way
- Double nut precision ball screws hardened & ground for high accuracy and long lasting
- FC30Meehanite casting 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



### Specification

|   |                          |
|---|--------------------------|
| Table: .....                                  | 16.5" x 63" (420x1600mm) |
| Longitudinal travel: .....                    | 51" (1300 mm)            |
| Cross travel: .....                           | 23"                      |
|   | 25" without Z cover      |
| Vertical travel: .....                        | 24" (610 mm)             |
| Spindle nose to table top (D):.....           | 5" to 30" (120-750 mm)   |
| Load capacity: .....                          | 2000 lbs (980kgs)        |
| Spindle taper: .....                          | NT40                     |
| Spindle speed: .....                          | 60 to 4000 rpm           |
| Transmission of spindle & motor:.....         | Belts                    |
| Spindle center to column front surface: ..... | 23"                      |

### Feed Rate

|                          |                   |
|--------------------------|-------------------|
| Rapid feed rate: .....   | X/Y/Z: 250 ipm AC |
| Cutting feed rate: ..... | 1 to 120 ipm      |

### Motor

|                                 |                 |
|---------------------------------|-----------------|
| Spindle motor/max torque: ..... | 10HP / 7.5 kW   |
| Feed motors on XYZ: .....       | 2 kW - AC Servo |
| Coolant pump: .....             | 1/8 HP          |
| Lubrication pump:.....          | 150W            |

### Additional Accessories Information

|  |  |
|--|--|
| Power requirement: .....                                     | 20 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                                      |

### Dimension & Weight

|                               |                                     |
|-------------------------------|-------------------------------------|
| Length x Width x Height:..... | 165" x 84" x 105" 4190x2130x2670mm) |
| Net weight: .....             | 8360lbs (3800kgs)                   |

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| Model  | Spindle | Travel X/Y/Z | CNC System | Spindle Motor | Axes Motor | FOB CA          |
|--------|---------|--------------|------------|---------------|------------|-----------------|
| BM560T | NT40    | 51/24.5/24"  | M400       | 7.5kW(10HP)   | 2kW-AC     | <b>\$66,040</b> |

### Standard Accessories

|                                      |                        |                                       |
|--------------------------------------|------------------------|---------------------------------------|
| Tools & box                          | Leveling bolts & plate | RS-232 interface                      |
| Parts manual machine                 | 15" color LCD          | Splash guard                          |
| Auto lube system                     | Halogen work light     | 120 GB solid state hard drive         |
| USB 2.0 port                         | Coolant system         | Shop floor programming/Conversational |
| Electronic Operation Manual Centroid |                        |                                       |

### Free Software

|  |                           |                           |
|--|---------------------------|---------------------------|
| 10360 4th axis software                                  | 10620 Compression tapping | 10851 Cutter compensation |
| 10610 User definable Macros and sub programs [M98 & G65] |                           |                           |

### Optional Machine Accessories

|            |   |         |
|------------|---|---------|
| CK-001     | 52pcs Clamping Kit slot: 5/8" (16mm) Stud: 1/2-13 | \$90    |
| CP-MIST    | Mist Coolant System                               | \$760   |
| *ENCLOSURE | Full Enclosure                                    | \$6,360 |
| TG-CNC     | Table Guard                                       | \$1,240 |
| WISE-6     | 6" Angle Vise W/ Swivel Base (Import)             | \$360   |
| PDB-MAX    | Power Draw Bar-Maxi-Torque                        | \$720   |
| PDB-MAX-L  | Installation of Power Draw bar                    | \$110   |
| *TRAN-28   | Transformer: 28KVA (440~480V)                     | \$2,600 |
| *UP-15H    | Upgrade spindle motor to 15 Hp                    | \$2,335 |

**\*These option prices are only for machines that need to be built in Taiwan.**

### Optional Software Accessories

|       |                                   |       |
|-------|-----------------------------------|-------|
| 10249 | Printed Operation Manual Centroid | \$88  |
| 10630 | Unlimited part program size       | \$550 |
| 10850 | Coordinate system rotation (CSR)  | \$220 |
| 10625 | Scaling and mirroring [G50 & G51] | \$220 |
| 10740 | Engraving software                | \$500 |
| 11069 | 100 Step MPG                      | \$495 |

### Digitizing & Probing

|       |   |         |
|-------|---|---------|
| 10405 | DP-4 probing package w/ CSR (10850)                       | \$1,790 |
| 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 |

### 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 <http://atrump.com/policies.html> for full warranty details & contract.

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