

## **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:                              | Max. 18.5"                     |
| 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 Center to Column without Z cover   | 18.50 "                        |
| Spindle Center to Column with Z Wave cover | 16.50 "                        |
| with Z finned bellows cover                | 17.50 "                        |
| 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     |

### **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                                      |

### **Dimension & Weight**

|                          |                       |
|--------------------------|-----------------------|
| Length x width x height: | 77.2" x 70.9" x 92.9" |
| Net weight:              | 5100 lbs              |

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| 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>\$39,310</b> |

### Standard Accessories

|                                      |                              |                                       |
|--------------------------------------|------------------------------|---------------------------------------|
| Tools & box                          | Leveling bolts & plate       | RS-232 interface                      |
| Parts manual machine                 | 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 |
| 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  |
| TG-A13T   | Table Guard                                       | \$1040 |
| PDB-MAX   | Power Draw Bar-Maxi-Torque                        | \$720  |
| PDB-MAX-L | Installation of Power Draw bar                    | \$110  |
| WISE-6    | 6" Angle Vise W/ Swivel Base (Import)             | \$360  |

### Optional Software Accessories

|                                 |   |         |
|---------------------------------|---|---------|
| 10249                           | Printed 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   |
| <u>Digitizing &amp; Probing</u> |   |         |
| 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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