



# ELROD MACHINE & MFG.

*CNC Machine Tool Sales & Service*

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- **Centroid M400 control with 15" LCD**
- **10 HP spindle motor, CAT40 spindle taper**
- **8,000 rpm spindle speed**
- Hardened & ground with Turcite-B coating guide way
- Double nut precision ball screws hardened & ground for high accuracy and long lasting
- FC30 Meehanite 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
- **Portable hand wheel (opt)**



## Specification

|   |                           |
|---|---------------------------|
| Table: .....                                  | 15.7" x 54" (400x1370 mm) |
| Longitudinal travel: .....                    | 40" (1016 mm)             |
| Cross travel: .....                           | 20" (510 mm)              |
| Vertical travel: .....                        | 22" (560 mm)              |
| Spindle nose to table top (D):.....           | 4" to 26" (100-660 mm)    |
| Load capacity: .....                          | 1550 lbs (700 kgs)        |
| Spindle taper:.....                           | CAT40                     |
| Spindle speed: .....                          | 60 to 8000 rpm            |
| Transmission of spindle & motor:.....         | Belts                     |
| Spindle center to column front surface: ..... | 21.7" (550 mm)            |

## Feed Rate

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

## Motor

Spindle motor: ..... 10 HP / 7.5 kW  
 Feed motors on XYZ: ..... 1 kW - AC  
 Coolant pump: ..... 1/8 Hp  
 Lubrication pump: ..... 150 W  
 Power requirement: ..... 15 KVA, 3 Phase 208V to 230V (Max)

### Automatic Tool Changer

No. of tools: ..... OPT  
 Max tool diameter: ..... 3.5" (90 mm)  
 Max tool weight: ..... 15 lbs (7 kgs)

### Dimension & Weight

Length x Width x Height: ..... 115" x 78" x 96"  
 (2920x1980x2440 mm)  
 Net Weight: ..... 6820 lbs (3100 kgs)

| Model  | Spindle | Travel X/Y/Z | CNC System | Spindle Motor | Axes Motor | FOB CA          |
|--------|---------|--------------|------------|---------------|------------|-----------------|
| BM460H | CAT40   | 40/20/22"    | M400       | 7.5kW(10HP)   | 1kW-AC     | <b>\$52,860</b> |

### Standard Accessories

|                  |                        |                                       |
|------------------|------------------------|---------------------------------------|
| Tools & box      | Leveling bolts & plate | RS-232 interface                      |
| Operation manual | 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 |

### Optional Machine Accessories

|            |  |         |
|------------|--|---------|
| CK-105     | 52pcs Clamping Kit                     | \$220   |
| CP-MIST    | Mist Coolant System                    | \$715   |
| ENCLOSURE  | Full enclosure                         | \$5,000 |
| 16ATC      | 16 T Magazine - Umbrella with software | \$5,600 |
| C40RK-45   | Retention Knob Cat40, 45degree 20pcs   | \$240   |
| TG-CNC     | Table Guard                            | \$1,170 |
| TRAN-17KVA | Transformer: 17KVA (440~480V)          | \$1,800 |
| WISE-6     | 6" Angle Vise w/ Swivel Base (Import)  | \$360   |

### Optional Software Accessories

|                                 |  |         |
|---------------------------------|--|---------|
| 10620                           | Compression tapping  | Free    |
| 10610                           | User definable Macros and sub programs [M98 & G65]             | Free    |
| 10851                           | Cutter compensation  | Free    |
| 10360                           | 4th axis software  | Free    |
| 10630                           | Unlimited part program size                                    | \$550   |
| 10730                           | Intercon off-line conversational program (for your desktop PC) | \$275   |
| 10810                           | Rigid tapping [G74 & G 84] (includes 10620)                    | \$550   |
| 10850                           | Coordinate system rotation (CSR)                               | \$220   |
| 10625                           | Scaling and mirroring [G50 & G51]                              | \$220   |
| 10814                           | DXF in, CAD drawing input software                             | \$305   |
| 10660                           | BCD tool change output   | \$280   |
| 10740                           | Engraving software   | \$500   |
| <u>Digitizing &amp; Probing</u> |  |         |
| 10405                           | DP-4 probing package w/ CSR (10850)                            | \$1,590 |
| 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                                  | \$649   |
| 12468                                | TT-2; Tool touch off kit                                  | \$1,295 |
| 10772                                | Tool room package (10405 & 10220 & 10600 work coordinate) | \$2,239 |
| <u>Manual Pulse Generators (MPG)</u> |   |         |
| 11069                                | 100 Step MPG  | \$495   |

### Additional Accessories Information

Power requirement: ..... 15 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

### Terms & Conditions

F.O.B.: Pomona, CA 91768  
 Delivery: Please check with Elrod Machine or Atrump's Sales Team  
 Standard Terms Of Payment: 50% down-payment, balanced due before 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 [www.ATRUMP.com/policy](http://www.ATRUMP.com/policy) for full warranty details & contract.  
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