MACHINE FEATURES:

- 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)
- AUTOMATIC TOOL CHANGER (opt.)
- FULL ENCLOSURE (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”
- Net Weight: 6820 lbs (3100 kgs)
**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-001: 52pcs Clamping Kit
- CP-MIST: Mist Coolant System
- ENCLOSURE: Full enclosure
- 16ATC: 16 T Magazine - Umbrella with software
- C40RK-45: Retention Knob Cat40, 45degree 20pcs
- TG-CNC: Table Guard
- TRAN-17KVA: Transformer: 17KVA (440~480V)
- VISE-6: 6" Angle Vise w/ Swivel Base (Import)

**Optional Software Accessories**

- 10620: Compression tapping
- 10610: User definable Macros and sub programs [M98 & G65]
- 10851: Cutter compensation
- 10360: 4th axis software
- 10630: Unlimited part program size
- 10730: Intercon off-line conversational program (for your desktop PC)
- 10810: Rigid tapping [G74 & G 84] (includes 10620)
- 10850: Coordinate system rotation (CSR)
- 10625: Scaling and mirroring [G50 & G51]
- 10814: DXF in, CAD drawing input software
- 10660: BCD tool change output
- 10740: Engraving software

**Digitizing & Probing**

- 10405: DP-4 probing package w/ CSR (10850)
- 12486: DP-7 probing package w/ CSR (10850)
- 10770: 2D & 3D digitizing software (requires 10405)
- 10220: TT-1; Tool touch off kit
- 12468: TT-2; Tool touch off kit
- 10772: Tool room package (10405 & 10220 & 10600 work coordinate)

**Manual Pulse Generators (MPG)**

- 11069: 100 Step MPG

**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

**WE RESERVE THE RIGHT TO CHANGE DESIGN, COLOR, SPECIFICATIONS, OR PRICE WITHOUT NOTICE**

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