MACHINE FEATURES:

- Centroid M400i control with 15” LCD
- 10 HP spindle motor, CAT40/BT40 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 to provide maximum rigidity & stability. Dovetail way on X
- Standard roller way cover on rear Y and Z
- Telescopic metal way cover on front Y
- Tool box & tools
- Coolant system
- Auto lubrication
- Built-in Quartz work light
- Portable hand wheel (opt)
- AUTOMATIC TOOL CHANGER (opt.)
- FULL ENCLOSURE (opt.)

Specification

| Table: | 13” x 60” |
| Longitudinal travel: | 39.3” |
| Cross travel: | 19.6” |
| Vertical travel: | 19.6” |
| Saddle size: | 47.2” |
| Spindle nose to table top (D): | 3.9” to 24.4” |
| Spindle taper: | CAT40/BT40 |
| Spindle speed: | 8000 rpm |
| Load capacity: | 1100 lbs |
| T-slot: | 0.62” x 3 x 2.55” |
| Transmission of spindle & motor: | Belt |

Feed Rate

- Rapid feed rate: X/Y/Z: 250 ipm
- AC Cutting feed rate: 120 ipm

Motor

- Spindle motor/max torque: 10 HP
- Servo 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

- Number of tools: OPT
- Maximum tool diameter: 3.5” (90 mm)
- Maximum tool weight: 15 lbs. (7 kgs)

Dimension & Weight

- Length x width x height: 91.4” x 69.6” x 91.7”
- Floor space: 135.8” x 111.8”
- Net weight: 4600 lbs
**Standard Accessories**
- **Tools & box:** Leveling bolts & plate
- **Operation manual:** 15" color LCD
- **Coolant system:** Half enclosed splash guard
- **Halogen work light:** 60 GB solid state hard drive
- **Table guard:** Standard way cover on X & Z

**Optional Machine Accessories**
- **CK-001:** 52pcs Clamping Kit slot: 5/8" (16mm) stud: 1/2-13
- **CP-MIST:** Mist Coolant System
- **VISE-6:** 6" Angle Vise W/ Swivel Base (Import)
- **UP-COV-YZ:** Upgrade to telescopic metal cover on rear Y and Z. (Y travel may reduce 1")
- **C40RK-45:** Retention Knob Cat40, 45degree 20pcs
- **ENCLOSURE:** Full enclosure
- **16ATC:** 16 T Magazine - Umbrella with software

**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
- **11069:** 100 Step MPG

**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)

**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

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