MACHINING CENTER MODEL: M640

MACHINE FEATURES

- Centroid M400 control with 15” LCD
- 24 tools ATC Armtyp
- 25HP Dual speed Spindle Motor, BT50 or CAT50 Spindle Taper
- 4,500 rpm spindle speed with spindle oil cooler
- 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
- 4 Box ways design on Y axis to provide maximum rigidity & stability
- Telescopic steel way covers on all three axes
- Tool box & Tools
- Coolant System and air blast system
- Central lubrication system
- Built-in Quartz work light
- Rigid tapping (opt.)

Specification:

Table: 31.4” x 71” (800 x 1800 mm)
Longitudinal travel (X-axis): 63” (1600 mm)
Cross travel: 39.3” (1000 mm)
Vertical travel: 31.5” (800 mm)
Spindle nose to table top (D): 6.7”-38” (170-970 mm)
Load capacity: 3080 lbs (1,400 Kgs)
Spindle taper: BT50 or CAT50
Spindle Speed (r. p.m.): 4500 rpm (opt. 6000rpm)
Transmission of spindle & motor: Belts
Spindle center to column front surface: 41.7” (1060 mm)
**Feeding Rate:**
- Rapid feed rate: X/Y: 420 ipm; Z: 360 ipm
- Cutting feed rate: 1-240 ipm

**Motor:**
- Spindle motor/max torque: 25HP, 18KW/100NM
- Feed motors on XYZ: 5 KW
- Coolant pump: 0.6Hp
- Lubrication pump: 150W
- Power requirement: 50 KVA, 3 Phase 208-230 voltage

**Automatic Tool Changer**
- No. of tools: 24 Armtype
- Max. tool diameter: 4.9” (125 mm)
- Max. tool length: 33 lb (15 Kg)
- Max. tool weight:
- Length X Width X Height (LXWXH): 169.5” x 130” x 113” (4300mm x 3300mm x 2865mm)
- Net Weight: 25,080 lbs. (11400 Kgs)

**STANDARD ACCESSORIES:**

<table>
<thead>
<tr>
<th>Tools &amp; box</th>
<th>Splash Guard</th>
<th>Shop floor programming/Conversational</th>
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<tbody>
<tr>
<td>Leveling bolts &amp; plate</td>
<td>Auto lube system</td>
<td>USB 2.0 port</td>
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<tr>
<td>RS-232</td>
<td>coolant system</td>
<td>Halogen work light</td>
</tr>
<tr>
<td>Operation manual</td>
<td>Air blast, coolant flush gun</td>
<td>1GB solid state hard drive</td>
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**Additional Accessories information:**

<table>
<thead>
<tr>
<th>Power requirement</th>
<th>40 KVA 3 phase 208V/230Vmax</th>
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<tbody>
<tr>
<td>Air requirement</td>
<td>90 - 100 psi</td>
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<tr>
<td>Type of oil for Way oil / oil chiller / pneumatic oil</td>
<td>Mobil Vactra #2 / Shell Tellus 32 / Air tool oil</td>
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<tr>
<td>Coolant capacity</td>
<td>42 Gallons</td>
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