MACHINE FEATURES

- Centroid M400 control with 15” LCD
- 15 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)
SPECIFICATIONS:

Table: .................................................. 17.7" x 70.8" (450x1800 mm)
Longitudinal travel: .................................. 59" (1500 mm)
Cross travel: ........................................... 23.6" (600 mm)
Vertical travel: ........................................ 23.6" (600 mm)
Spindle nose to table top (D): ...................... 4.7" to 28.3" (120-720 mm)
Load capacity: ........................................ 2200 lbs (1000 kgs)
Spindle taper:........................................... BT40 or CAT40
Spindle speed: ......................................... 60 to 8000 rpm
Transmission of spindle & motor: ................... Belts
Spindle center to column front surface: .......... 25.5" (650 mm)
T slot: .................................................. 0.62*3*2.36" mm

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

Motor:
Spindle motor/max torque: .......................... 15 HP / 10 kW
Feed motors on XYZ: ................................ 2 kW - AC Servo
Coolant pump: ........................................... 1/8 Hp
Lubrication pump: ...................................... 150 W
Power requirement: .................................. 20 KVA, 3 Phase 208V to 230V (Max)

Automatic Tool Change:
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: ........................... 175" x 102.7" x 110.5" (4440x2610x2810 mm)
Net weight: ............................................. 9460 lbs (4300 kgs)

STANDARD ACCESSORIES:

<table>
<thead>
<tr>
<th>Tools &amp; box</th>
<th>Leveling bolts &amp; plate</th>
<th>RS-232 interface</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation manual</td>
<td>15&quot; color LCD</td>
<td>Splash guard</td>
</tr>
<tr>
<td>Auto lube system</td>
<td>Halogen work light</td>
<td>120 GB solid state hard drive</td>
</tr>
<tr>
<td>USB 2.0 port</td>
<td>Coolant system</td>
<td>Shop floor programming/Conversational</td>
</tr>
</tbody>
</table>

ADDITIONAL ACCESSORIES INFORMATION:

<table>
<thead>
<tr>
<th>Power requirement</th>
<th>20 KVA 3 phase 208V/230Vmax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air requirement</td>
<td>With opt. power draw bar 90 - 100 psi</td>
</tr>
<tr>
<td>Type of oil for Way oil / oil chiller / pneumatic oil</td>
<td>Mobil Vactra #2 / Shell Tellus 32 / Air tool oil</td>
</tr>
<tr>
<td>Coolant capacity</td>
<td>16 Gallons</td>
</tr>
</tbody>
</table>

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

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