CLEVELAND
CNC VERTICAL BED MILL MODEL: E5FC PLUS

MACHINE FEATURES
- Centroid M400 control with 15” LCD
- 5 HP Spindle Motor NT40/NMTB40 or CAT40 Spindle Taper
- 3,900 rpm Spindle Speed with HI-LOW Gear
- 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: .............................. 14" x 52" (355x1320 mm)
Longitudinal travel: .............................. 31.4" (800 mm)
Cross travel: .............................. 19.6" (500 mm)
Vertical travel: .............................. 23.6" (600 mm)
Load capacity: ................................ 1210 lbs (550 kgs)
Spindle taper: .............................. NMTB40 or CAT40
Spindle speed: .............................................. 60 to 3900 rpm
Transmission of spindle & motor: .............................. Belts
Head swivel (right/left): .............................. 90 degree

Feed Rate:
Rapid feed rate: ...................................... X/Y/Z: 150 ipm AC
Cutting feed rate: ...................................... 1 to 120 ipm

Motor:
Spindle motor/max torque: .............................. 5 HP / 3.7 kW
Feed motors on XYZ: .............................. 1 kW - AC
Coolant pump: .............................................. 1/8 Hp
Lubrication pump: .............................. 150 W
Power requirement: .............................. 6.5 KVA, 3 Phase 208V to 230V (Max)

Dimension & Weight:
Length x Width x Height: .............................. 76.6" x 70.7" x 86.6"(1937x1800x2180 mm)
Net Weight: ...................................... 6160 lbs (2800 kgs)

STANDARD ACCESSORIES:

<table>
<thead>
<tr>
<th>Tools &amp; box</th>
<th>Leveling bolts &amp; plate</th>
<th>RS-232 interface</th>
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</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>60 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>6.5 KVA 3 phase 208V/230Vmax</th>
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</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>7 Gallons</td>
</tr>
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</table>

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

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