CLEVELAND

MODEL: M632 HEAVY DUTY VMC

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MACHINE FEATURES:

25HP Spindle Motor
BT50 or CAT50 Spindle Taper
4,500 rpm spindle speed
Included spindle oil cooler
24 tools ATC Arm type
Hardened & Ground
Turcite-B coating guide way

- CENTROID M400 CNC CONTROL WITH 15” LCD
- 24 tools ATC Armtype
- 25HP Spindle Motor, BT50 or CAT50 Spindle Taper
- 4,500 rpm spindle speed with spindle oil cooler
- Hardened & Ground with Turcite-B coating guide way
- C3 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 cover on three axes
- Tool box & Tools
- Coolant System and air blast system
- Central lubrication system
- Built-in Quartz work light
- Rigid tapping(opt.)
- Portable Hand Wheel (opt)
Specifications:

Table: 28" x 71" (714 x 1800 mm)
Longitudinal travel (X axis): 63" (1600 mm)
Cross travel: 31.5" (800 mm)
Vertical travel: 31.5" (800 mm)
Spindle nose to table top (D): 8.1”-39.6” (207-1,007 mm)
Load capacity: 4,000 lbs (1,818 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: 33.3” (845 mm)
Feed Rate:
Rapid feed rate: X/Y: 360 ipm  Z: 288 ipm
Cutting feed rate: 1-240 ipm
Motor:
Spindle motor/max torque: 18KW, 25HP/100NM
Feed motors on XYZ: 4 KW
Coolant pump: 0.6HP
Power requirement: 40 KVA, 3 Phase 208-230 voltage
Automatic Tool Changer: Armtype
No. of tools: 24
Max. tool diameter: 4.9” (125 mm)
Max. tool length:
Max. tool weight: 33 lbs (15 Kgs)
Length x Width x Height: 169.5” x 130” x 113”
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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</thead>
<tbody>
<tr>
<td>Leveling bolts &amp; plate</td>
<td>USB 2.0 Port</td>
<td>1 GB solid state hard drive</td>
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<tr>
<td>RS-232</td>
<td>Auto lube system</td>
<td>Halogen work light</td>
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<tr>
<td>Operation manual</td>
<td>Coolant system</td>
<td>Air blast, coolant flush gun</td>
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</tbody>
</table>

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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