CLEVELAND
MODEL: M422W HEAVY DUTY VMC

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MACHINE FEATURES:
15HP Spindle Motor
BT40 or CAT40 Spindle Taper
8,000 rpm spindle speed
Included spindle oil cooler
20 tools ATC Armless
Hardened & Ground
Turcite-B coating guide way

- CENTROID M400 CNC CONTROL WITH 15” LCD
- 20 tools ATC Armless
- 15HP Spindle Motor, BT40 or CAT40 Spindle Taper
- 8,000 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.)
**Specification:**
- **Table:** 20” x 49.6” (510 x 1260 mm)
- **Longitudinal travel (X-axis):** 42” (1060 mm)
- **Cross travel:** 24” (610 mm)
- **Vertical travel:** 27.5” (700 mm)
- **Spindle nose to table top (D):** 5”-32.6” (128-828 mm)
- **Load capacity:** 2200 lbs (1000 Kgs)
- **Spindle taper:** BT40 or CAT40
- **Spindle Speed (r.p.m.):** 8000 rpm
- **Transmission of spindle & motor:** Belts
- **Spindle center to column front surface:** 25.6” (650 mm)

**Feed Rate:**
- **Rapid feed rate:** X/Y: 640 ipm  Z: 480 ipm
- **Cutting feed rate:** 1-300 ipm

**Motor:**
- **Spindle motor/max torque:** 11KW, 15HP/75NM
- **Feed motors on XYZ:** 3 KW
- **Coolant pump:** 0.3HP
- **Lubrication pump:** 150W

**Power requirement:**
- **25 KVA, 3 Phase 208-230 voltage**

**Automatic Tool Changer:**
- **No. of tools:** 20
- **Max. tool diameter:** 3.5” (90 mm)
- **Max. tool length:**
- **Max. tool weight:** 15 lb (7 Kg)
- **Length x Width x Height:** 125.5” x 105” x 100”
- **Net Weight:** 12,980 lbs. (5900 Kgs)

**Standard Accessories:**

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<td>Air blast, coolant flush gun</td>
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**Additional Accessories Information:**

- **Power requirement:** 25 KVA 3 phase 208V/230Vmax
- **Air requirement:** 90 - 100 psi
- **Type of oil for Way oil/Oil chiller/Pneumatic oil:** Mobil Vactra #2 / Shell Tellus 32 / Air tool oil
- **Coolant capacity:** 36 Gallons

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**CLEVELAND MACHINERY SALES INC.**

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