MACHINE FEATURES:
- Centroid M400 control with 15” LCD
- 20 HP spindle motor, BT40 / CAT40 spindle taper
- 8,000 rpm spindle speed with spindle oil cooler
- Armless type 20 tool ATC
- 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)
- Portable hand wheel (opt)

Specification
- X / Y / Z travel: 52” / 28” / 27.5”
- Distance from spindle to column: 29.7”
- Distance from spindle to table top: 5.9” ~ 33.4”

Working Table
- Size (X / Y): 59.8” / 27.5”
- T-slot: 0.7” x 5 x 5.7”
- Load capacity: 3300 lbs

Spindle
- Motor: 20 HP
- Speed: 8,000 rpm
- Taper: CAT40 / BT40

Feed Rate
- Rapid X / Y / Z: 640 / 640 / 480 ipm
- Cutting: 300 ipm

ATC
- Tool magazine capacity: Armless 20 tool
- Max. tool dia. / adj. pocket empty: Ø 3.1” / Ø 5.9”
- Max. tool length: 11.8”
- Max. tool weight: 15.4 lbs

General
- Power requirement: 42 KVA
- Pneumatic tank requirement (min.): 5 ~ 8 (5) kg/cm^2
- Coolant tank capacity: 63.4 gal

Dimension & Weight
- L X W X H: 155” x 113” x 116”
- Weight: 18,700 lbs
**Standard Accessories**

- Booster (unclamp) cylinder
- Full enclosure
- Telescoping way cover
- Tools & box
- Screw type chip auger
- Auto lube
- Coolant system
- Power chain
- Spindle chiller
- Electric cabinet set w/ bracket
- Air gun & spindle air blast
- Halogen work light
- Operation manual
- Encoder set

**Optional Machine Acessories**

- CK-105 52pcs Clamping Kit slot: 0.71" (18mm); stud: 5/8-11
- CP-MIST Mist Coolant System
- UG-RPM100 Upgrade to 10000 rpm (need to be finished in factory)
- UG-MT15 Upgrade to high torque Y and Delta Motor
- VISE-6 6" Angle Vise W/ Swivel Base (Import)
- C40RK-45 Retention Knob Cat40, 45degree 20pcs
- CP-SP Coolant Through Spindle

**Optional Software Accessories**

- 10620 Compression tapping
- 10610 User definable Macros and sub programs [M98 & G65]
- 10851 Cutter compensation
- 10360 4th axis software
- 10630 Unlimited part program size
- 10730 Intercon off-line conversational program (for your desktop PC)
- 10810 Rigid tapping [G74 & G 84] (includes 10620)
- 10850 Coordinate system rotation (CSR)
- 10625 Scaling and mirroring [G50 & G51]
- 10814 DXF in, CAD drawing input software
- 10660 BCD tool change output
- 10740 Engraving software

**Digitizing & Probing**

- 10405 DP-4 probing package w/ CSR (10850)
- 12486 DP-7 probing package w/ CSR (10850)
- 10770 2D & 3D digitizing software (requires 10405)
- 10220 TT-1; Tool touch off kit
- 12468 TT-2: Tool touch off kit
- 10772 Tool room package (10405 & 10220 & 10600 work coordinate)

**Manual Pulse Generators (MPG)**

- 11069 100 Step MPG

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

**CLEVELAND MACHINERY SALES INC.**

5000 BROOKPARK ROAD
CLEVELAND, OHIO 44134
PHONE: 216-741-8900
FAX: 216-741-8995
WEBSITE: www.clevelandmachinery.com EMAIL: sales@clevelandmachinery.com