CLEVELAND

VERTICAL CNC BED MILL MODEL: A3-10H

MACHINE FEATURES:

- Centroid M400i control with 15” LCD
- 10 HP spindle motor, CAT40/BT40 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 to provide maximum rigidity & stability. Dovetail way on X
- Standard roller way cover on rear Y and Z
- Telescopic metal way cover on front Y
- Tool box & tools
- Coolant system
- Auto lubrication
- Built-in Quartz work light
- Portable hand wheel (opt)
- AUTOMATIC TOOL CHANGER (opt.)
- FULL ENCLOSURE (opt.)

Specification

<table>
<thead>
<tr>
<th>Table:</th>
<th>13” x 60”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Longitudinal travel:</td>
<td>39.3”</td>
</tr>
<tr>
<td>Cross travel:</td>
<td>19.6”</td>
</tr>
<tr>
<td>Vertical travel:</td>
<td>19.6”</td>
</tr>
<tr>
<td>Saddle size:</td>
<td>47.2”</td>
</tr>
<tr>
<td>Spindle nose to table top (D):</td>
<td>3.9” to 24.4”</td>
</tr>
<tr>
<td>Spindle taper:</td>
<td>CAT40/BT40</td>
</tr>
<tr>
<td>Spindle speed:</td>
<td>8000 rpm</td>
</tr>
<tr>
<td>Load capacity:</td>
<td>1100 lbs</td>
</tr>
<tr>
<td>T-slot:</td>
<td>0.62” x 3 x 2.55”</td>
</tr>
<tr>
<td>Transmission of spindle &amp; motor:</td>
<td>Belt</td>
</tr>
</tbody>
</table>

Feed Rate

- Rapid feed rate: X/Y/Z: 250 ipm
- AC Cutting feed rate: 120 ipm

Motor

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

Automatic Tool Changer

- Number of tools: OPT
- Maximum tool diameter: 3.5” (90 mm)
- Maximum tool weight: 15 lbs. (7 kgs)

Dimension & Weight

- Length x width x height: 91.4” x 69.6” x 91.7”
- Floor space: 135.8” x 111.8”
- Net weight: 4600 lbs
Standard Accessories
Tools & box  Leveling bolts & plate  RS-232 interface
Operation manual  15" color LCD  Auto lube system
Coolant system  Half enclosed splash guard  USB 2.0 port
Halogen work light  60 GB solid state hard drive  Shop floor programming/Conversational
Table guard  Standard way cover on X & Z  Metal way cover on front Y

Optional Machine Accessories
CK-001  52pcs Clamping Kit slot: 5/8" (16mm) stud: 1/2-13
CP-MIST  Mist Coolant System
VISE-6  6" Angle Vise W/ Swivel Base (Import)
UP-COV-YZ  Upgrade to telescopic metal cover on rear Y and Z. (Y travel may reduce 1")
C40RK-45  Retention Knob Cat40, 45degree 20pcs
ENCLOSURE  Full enclosure
16ATC  16 T Magazine - Umbrella with software

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
11069  100 Step MPG

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)

Additional Accessories Information
Power requirement: ................................. 15 KVA 3 phase 208V to 230V (Max)
Air requirement: ...................................... With opt. power draw bar 90 - 100 psi
Type of oil for way oil / oil chiller / pneumatic oil: .......................... Mobil Vectra #2/ Shell Tellus 32/ Air tool oil
Coolant capacity: ...................................... 7 Gallons

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

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