



CHARACTERISTICS

- **Special Version Machine for Automatic Hole-to-Hole Unattended Boring System**
- CNC (Computer Numerical Control) Machine using Windows Operating System and Industrial PC with Intel Processor.
- Precision Programming and Control thru a 15" (367mm) Computerized Touch Screen.
- Software for Programmable & Automated Cycles such as Boring, Sleeving, Counterboring and Blind Hole Machining
- Chip shield & Dust Collector (504-35-11E)
- USB flash drive for file transfer to and from computer
- Internet connection to the machine computer must be provided for training support and service.
- Machine/Computer can operate in either inch or metric system
- Machine Work Head Floats on Air Cushion for Precision Centering - Total Travel - Left/Right Direction 44" 1117mm
- All motors - AC Servo Motors with BISS Encoders - Infinitely Variable
- **Horizontal Movement (X Axis)** - Left/Right - 44" (1117mm)
- **Vertical Movement (Z Axis)** - Up and Down – 15" (380mm)
- Vertical and Spindle Load Monitoring for Fast Overload Shut Down
- Precision Position Display in .0001" (.002mm) Resolution.
- Electronic Hand Wheel for manual movement - per click: Coarse Mode .01" (.25mm) Medium Mode .001" (.01mm) Fine Mode .0001" (.002mm)
- Infinitely Variable Feedrates adjustable by hand wheel during automatic cycles
- High Performance Spindle Rotation AC Brushless Servo Motor - infinitely variable to 1200RPM
- Heavy Duty Hard Chromed Precision Spindle 3.25" (82.5mm) Diameter with High Speed Angular Contact Bearings supported with Adjustable Conical Outer Bearings
- Spindle with Quick Change Cutterhead System
- Fast Rapid and Jog Speeds for Reduced Cycle Time
- Automatic Work Head Tilt System for Back Clearance during Spindle Retract
- One Piece Heat Treated Mehanite Cast Iron Machine Castings
- Turcite Coated Slideways for Low Friction and Extended Life
- Automatic Central Lubrication System monitored by computer



MACHINEPARTS

- Control: Automatic CNC
- Touch Screen: 114mm
- Machine Height :2032mm
- Table - Size: 1370 x 530mm
- Travel - Spindle Nose to Table: 670mm
- Travel - Spindle Center to Column: 530mm
- Spindle - Rotation Speed: 100 to 1200 RPM
- Spindle - Motor: 3.3 HP 2.5 Kw HP
- Bore Capacity (with Optional Cutterhead) 38 - 228mm
- Feed per Revolution: Programmable Feed Rates .025 - .300mm
- Spindle Travel (Vertical): 381mm
- Workhead Travel (Horizontal): 1270mm
- Dimensions - Machine: 1143D x 1549W x 2032mm H
- Dimensions - Floor Space Requirements: 1170D x 1625Wmm
- Dimensions - Shipping: 1702D x 1956W x 2311mm H
- Machine Weight: 1682 kg
- Electrical Requirement: 208-240V, 30A, 50/60Hz, 1Ph
- Air Requirements: 28 l/min @ 6 bar
- Paint Color Code: RAL9002 (Grey White)