

3-AXIS CNC HORIZONTAL POINT TO POINT BORING CENTER



We take the Work out of Woodworking!!!!



MODEL 18043X HORIZONTAL POINT TO POINT BORING CENTER

Designed to provide horizontal boring of solid wood, composite board, plastic, vinyl and aluminum materials. The machine features horizontal programmable spindles driven by a 5hp motor. The three axis system allows for a machine envelope capacity of 4" x 100". Conventional pneumatic beam clamps allow for rigid work holding of parts. The spindles can be programmed to provide a range of machining requirements from simple single spindle point to point boring to multiple spindle group pattern boring.



MACHINE TRAVELING BORING SPINDLE CARRIAGE

- (4) PROGRAMMABLE SPINDLES
- 2.250" SPINDLE CENTERS
- BALL BEARING DRILL GUIDE BUSHING FENCE
- 3-AXIS MOVEMENT
- PRECISION BORING DEPTH AND POSITIONING
- PROGRAMMABLE SPINDLE RPM
- HORIZONTAL ROUTER CAPABILITY
- PRECISION LINEAR BLOCKS AND WAYS
- SERVO DRIVES ALL AXES
- (2) 4" LINEAR WAY WIPER HOODS
- MAGNETIC POSITION SENSING SCALES
- PRECISION GEAR RACK X-AXIS MOVEMENT
- BALL SCREW Y & W AXIS MOVEMENT
- X-AXIS POWER TRACK



SINGLE OR MULTIPLE WORK CELLS

- UP TO (4) WORK CELLS
- DUAL SIDED WORK CELL FENCES
- DUAL FENCE TRACK
- OPTIONAL MATERIAL ALIGNMENT CLAMPS



3-AXIS CNC MACHINE TOOL CONTROLLER

- COLOR SCREEN
- KEY BOARD
- COMMUNICATION PORTS
- G-CODE PROGRAMMING

MODEL 18043X HORIZONTAL POINT TO POINT BORING CENTER



STANDARD FEATURES: MODEL 18043X

- 144" X-AXIS TRAVEL (RIGHT TO LEFT)
- X-AXIS SERVO DRIVEN GEAR RACK AND PINION
- 6" Y-AXIS TRAVEL (IN/OUT)
- Y-AXIS 1" BALL SCREW SERVO DRIVEN
- 4" BORING DEPTH
- 4" Z-AXIS TRAVEL (UP/DOWN)
- Z-AXIS 1-1/2" BALL SCREW SERVO DRIVEN
- (4) PROGRAMMABLE SPINDLES
- 2.250" SPINDLE CENTERS (STANDARD)
- 6,000 MAXIMUM SPINDLE RPM
- 1/2" CAPACITY DRILL CHUCKS
- BALL BEARING DRILL GUIDE BUSHINGS
- (8) MATERIAL CLAMPING CYLINDERS
- 16" X 160" FEED THROUGH WORK AREA
- 40" WORK TABLE HEIGHT
- (4) WORK CELL FENCES
- DUAL FENCE TRACK RAILS
- (8) MATERIAL BACK-UP DOGS

- PENDANT MOUNTED CONTROLLER ENCLOSURE
- LOCK OUT / TAG OUT MAIN ENCLOSURE
- 3-AXIS CNC CONTROLLER
- G-CODE PROGRAMMING
- HANDWHEEL SET-UP ASSIST
- USB COMMUNICATION PORT
- RS232 COMMUNICATION PORT
- (4) PROGRAMMABLE WORK CELLS
- (3) E-STOP BUTTONS
- (3) CYCLE START BUTTONS
- REAR SAFETY BARRIER
- (2) 4" DUST HOOD OUTLETS
- 1/2" NPT FILTER, REGULATOR AND LUBRICATOR
- 5 CFM @ 100 PSI COMPRESSED AIR REQUIRED
- 60 AMPS @ 3-PHASE 230 VOLT, 60 HZ
- 30 AMPS @ 3-PHASE 460 VOLT, 60 HZ
- MACHINE WEIGHT: 8,800 LBS
- 72" X 200" FLOOR AREA REQUIRED

OPTIONAL FEATURES:

- SINGLE HORIZONTAL HSK F63 ROUTING SPINDLE
- PROGRAMMABLE MORTISE CHISEL HOLDER
- PROGRAMMABLE DOWEL INSERTION
- BAR CODE READER
- BEADED FRAME MITER NOTCHING SPINDLE
- CUSTOM BORING SPINDLE CENTERS
- ADDITIONAL WORK CELL FENCES
- DUAL HORIZONTAL HSK F63 ROUTING SPINDLES

- X-AXIS CAPACITY UP TO 192"
- BALL SCREW DRIVEN X-AXIS
- HORIZONTAL MATERIAL CLAMPS
- MITER/MORTISE AND TENNON FIXTURE
- ADDITIONAL BORING SPINDLES

DISTRIBUTED BY

RITTER
MANUFACTURING, INC.

1300B West Fourth St. — Antioch, CA 94509
(925) 757-7296 • Fax (925) 757-7083
www.rittermfg.com