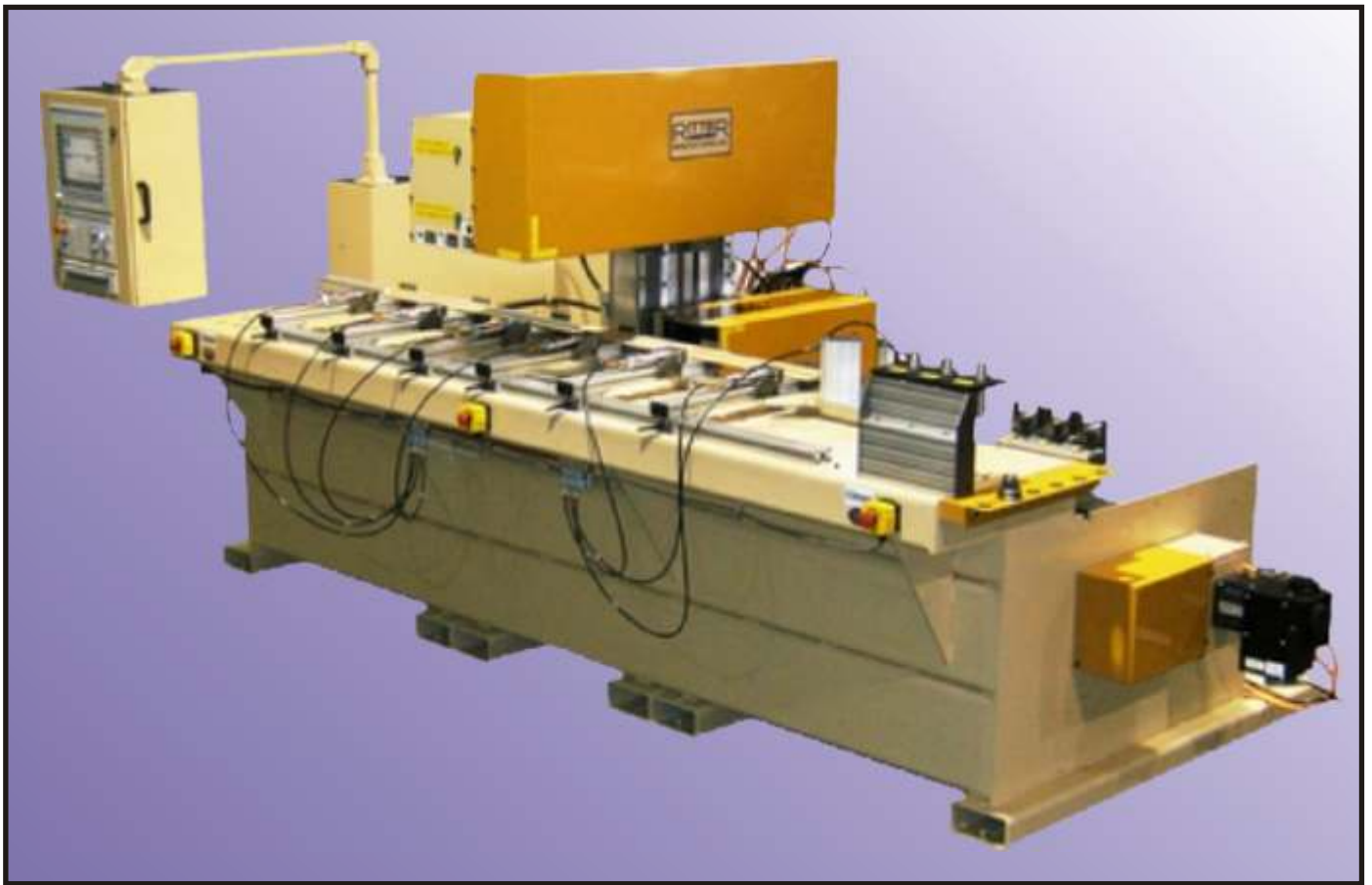


# 5-AXIS CNC HORIZONTAL/VERTICAL MACHINING CENTER

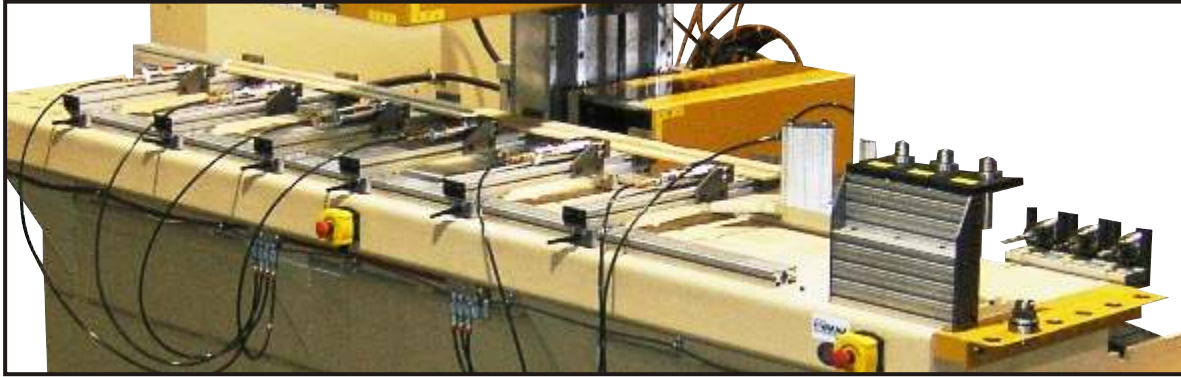


*We take the Work out of Woodworking!!!!*



# MODEL 1802RVH HORIZONTAL/VERTICAL MACHINING CENTER

Designed to provide for both horizontal and vertical machining of solid wood, plastic, vinyl and aluminum, the machine features both a vertical 10 hp router spindle and a horizontal 10 hp router spindle. Use of HSK F63 tool holders is standard. The five axis system allows for a machine envelope capacity of 4" x 16" x 100". Conventional pneumatic clamp fixtures allow for rigid work holding of small parts. Vacuum type work holding systems are available. The spindles can be programmed to provide a range of machining requirements from simple point to point drilling/boring to detailed routing & shaping.



## STANDARD FEATURES: MODEL 1802RVH

- 100" X-AXIS TRAVEL (RIGHT TO LEFT)
- 2-1/2" DIAMETER X-AXIS SERVO DRIVEN BALL SCREW
- DOUBLE BALL NUT ON X-AXIS
- 16" Y-AXIS TRAVEL (IN/OUT-VERTICAL SPINDLE)
- 1" DIAMETER Y-AXIS SERVO DRIVEN BALL SCREW
- 6" Z-AXIS TRAVEL, (UP/DOWN VERTICAL SPINDLE)
- 1" DIAMETER Z-AXIS SERVO DRIVEN BALL SCREW
- 6" V-AXIS TRAVEL (UP/DOWN-HORIZONTAL SPINDLE)
- 1" DIAMETER V-AXIS SERVO DRIVEN BALL SCREW
- 6" W-AXIS TRAVEL, (HORIZONTAL SPINDLE UP/DOWN)
- (1) 10 H.P. VERTICAL SPINDLE
- (1) 10 H.P. HORIZONTAL SPINDLE
- 20,000 MAXIMUM PROGRAMMABLE SPINDLE RPM
- HSK F63 SPINDLES
- PROGRAMMABLE OR MANUAL TOOL CHANGE
- (3) HORIZONTAL & VERTICAL TOOL STATIONS
- (6) RAIL & MATERIAL CLAMP CARRIAGES
- DUAL CLAMP CARRIAGE RAIL TRACKS
- 24" X 100" WORK SURFACE AREA
- 41" WORK HEIGHT
- 78" CEILING HEIGHT
- 72" X 128" FLOOR AREA REQUIRED
- 5-AXIS CNC CONTROLLER
- G-CODE PROGRAMMING
- USB COMMUNICATION PORT
- RS232 COMMUNICATION PORT
- PROGRAMMABLE WORK CELLS
- (3) E-STOP BUTTONS
- FEED HOLD BUTTON
- CYCLE START BUTTON
- (2) 4" DUST HOOD OUTLETS
- REAR SAFETY BARRIER
- 5 CFM @ 100 PSI COMPRESSED AIR REQUIRED
- 1/2" NPT FILTER, REGULATOR & LUBRICATOR
- 30 AMPS @ 3-PHASE 460 VOLT, 60 HZ
- 60 AMPS @ 3-PHASE 230 VOLT, 60 HZ
- MACHINE WEIGHT: 7,500 LBS

## OPTIONAL FEATURES:

- RAIL AND VACUUM POD WORK HOLDING CARRIAGES
- X-AXIS UP TO 144"
- 3-AXIS SINGLE VERTICAL ROUTER CONFIGURATION
- 3-AXIS SINGLE HORIZONTAL ROUTER CONFIGURATION
- 6-AXIS DUAL HORIZONTAL ROUTER CONFIGURATION
- HSK F63 SHAPER CUTTER ARBORS
- CUSTOM PART WORK HOLDING FIXTURES
- PROGRAMMABLE DOWEL INSERTION
- BAR CODE READER
- VACUUM PUMP
- VERTICAL CLAMP BEAM WITH (8) CLAMPS
- HSK F63 TOOL HOLDERS & ER COLLETS
- MITER NOTCHING SPINDLE

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