

MACHINE SPECIFICATIONS



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MODEL W1805 16" PNEUMATIC CLAMPING DOVETAIL MACHINE

Motor

Type	TEFC Capacitor Start Induction
Horsepower	1 HP
Voltage	110V/220V
Prewired	220V
Phase	Single
Amps	10/5 A
Speed	3450 RPM
Cycle	60 Hz
Power Transfer	V-Belt Drive
Bearings	Sealed and Lubricated

Main Specifications

Cutting Capacities

Maximum Dovetail Height	$\frac{3}{4}$ "
Minimum Dovetail Height	$\frac{3}{16}$ "
Maximum Workpiece Thickness	$2\frac{3}{8}$ "
Minimum Workpiece Thickness	$\frac{13}{32}$ "
Maximum Workpiece Size	16 $\frac{1}{2}$ " W x 59" L
Minimum Workpiece Size	2 $\frac{3}{8}$ " W x 7 $\frac{7}{8}$ " L

Spindle & Bit Information

Number of Spindles	1
Spindle Speed	18,500 RPM
Dovetail Shank Diameter	$\frac{1}{2}$ " (12mm)
Dovetail Bit	Angle 10° x $\frac{5}{8}$ " L, Single Cutter
Dovetail Templates	1", 1 $\frac{1}{2}$ ", 2", 2 $\frac{1}{2}$ "

Overall Dimensions

Machine Size	35 $\frac{5}{8}$ " W x 26 $\frac{1}{2}$ " D x 56 $\frac{7}{8}$ " H
Machine Weight	440 Lbs.
Footprint	37" W x 21 $\frac{1}{4}$ " L
Table Height	46 $\frac{7}{16}$ "
Table Size	24" W x 7 $\frac{3}{4}$ " L

Construction Materials

Cabinet	Pre-Formed Steel
Carriage	Aluminum
Slide Way	Hardened & Ground Chromed Steel
Table	Precision Ground Cast Iron
Sliding Guide	Ball Bearing Linear Guides
Paint	Powder Coated

Shipping Dimensions

Shipping Crate Size 42" W x 30" L x 64" H
Shipping Weight 539 Lbs.

Electrical

Switch Magnetic Switch
Cord Length 9 ft.
Cord Gauge 14 gauge
Recommended Circuit Size at 220V 15 amp
Recommended Circuit Size at 110V 15 amp
Recommended Plug Type for 220V 6-15
Recommended Plug Type for 110V 5-15

Other

Number of Dust Ports 1
Dust Port Size 4"
Approximate Assembly Time 15 Minutes
Warranty 2 Year
Country of Origin Taiwan

Machine Highlights

Dual pneumatic clamps for lightning-fast workpiece loading/unloading
1HP, 110V/220V, Motor (prewired 220V)
Included 1", 1½", 2", and 2½" dovetail templates
Micro-adjustable cutter controls for precision-fit dovetails
Handles workpieces as large as 2¾"H x 16½"W x 59"L
Once setup, can create a dovetail joined box in under 40 seconds!