

Model 313

UNIQUE
MACHINE & TOOL CO.

Mitre Machine

FEATURE LIST

- 40% STRONGER JOINT THAN TRADITIONAL MORTISE AND TENNON MITRE DOORS
- AUTOMATIC CYCLE WITH DOWEL DRILLING
- RIGID AUTO-FEED MITRE TABLE
- NO PRE-MITERING REQUIRED
- PNEUMATIC CLAMPING SYSTEM LOCKS DURING OPERATION FOR SAFE MACHINING OF PARTS
- DIGITAL POSITION INDICATION ACCURATE TO .001"
- (2) 5HP SHAPER MOTORS
- 5" MAX WIDTH CAPACITY
- 1" MATERIAL THICKNESS CAPACITY
- ADJUSTABLE STOPS FOR DOWEL DRILLING
- STAGGERED TABLES PROVIDE UNLIMITED LENGTH CAPACITY
- ONE FRAME PER MINUTE, 15 SECONDS PER CYCLE



DESCRIPTION

The model 313 features an automatic cycle with dowel drilling for accurate alignment of mitred corners. Highly visible guards, hands-free foot valve achieve accurate clamping, and dual hand actuated start buttons make this machine both easy and safe to operate. Industry tested, the Unique finger joint provides the strongest joint on the market. Used by the largest manufacturers in North America to provide mitered doors that can withstand changing climates.

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Due to continuous improvements, all specifications are subject to change without notice.

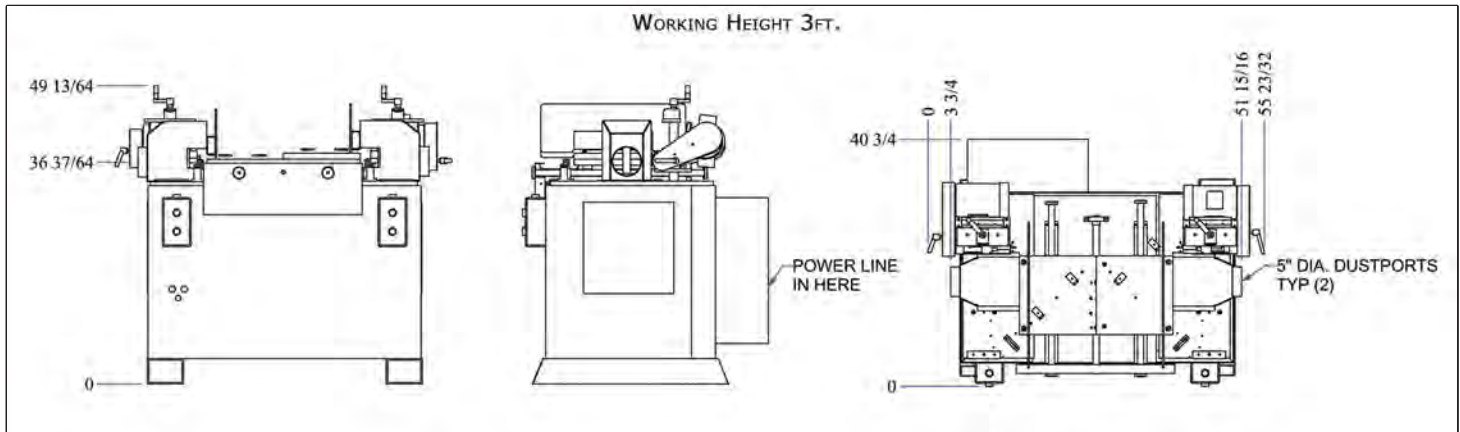
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MITRE MACHINE

313 MACHINE DIMENSIONS



313 MACHINE SPECIFICATIONS

TECHNICAL SPECIFICATIONS

SOME SPECIFICATIONS MAY VARY BASED ON STATION CONFIGURATION

- Shaper Motors 5HP
- Drill Motors 1/3HP
- Electrical Requirements: 220V, 60Hz, 3PH, 34.67A
440V, 60HZ, 3PH, 17.33A
- Compressed Air 90PSI, 1CFM
- Dust Collection 1400CFM Per Spindle
- Max Material Width 5in
- Max Material Thickness 1in Standard, 1-1/2in Optional
- Machine Weight 1000lbs

DESIGN FEATURES

- Emergency Stop, disconnect and lockout features
- Automatic cycle, machine does not require hand feeding
- Dual activated push buttons to insure hands free operation
- Precision machine heavy fabricated frame
- Dual precision mandrels
- Precision shafting and linear bearings
- Adjustable stops for end trimming

STANDARD MODELS

313-2

The 313-2 option provides two postions for dual dowel insertion. This option is also ideal for veneered and non finger joint miter applications.

313 EXT

The 313 EXT provides extended clamp cylinders and a modified table. This extended cylinder allows the 313 to cut thicker parts.

Proscale

The 313 proscale option provides linear encoders that are attached to the motors to expedite the setup procedure. This option also allows for quick, accurate and easy adjustment of the cutter height.



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