



Door Clamping Systems For Medium & Large Size Shops



Taylor Door Pro

For Stile & Rail Doors

For Mitered Doors

Taylor Manufacturing

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Made in USA
Poughkeepsie, NY



5 Section Pneumatic Door Pro

Popular machine configurations include:

Standard Door Pro for style and rail doors

Mitered Door Pro for mitered doors and style and rail doors

Large Capacity Door Pro for larger doors and multiple doors in each station

Large Capacity Mitered Door Pro for large mitered doors

Two models; 5 section or 8 section provide extended clamp/cure time to eliminate the pinning process. This increases quality and saves labor.

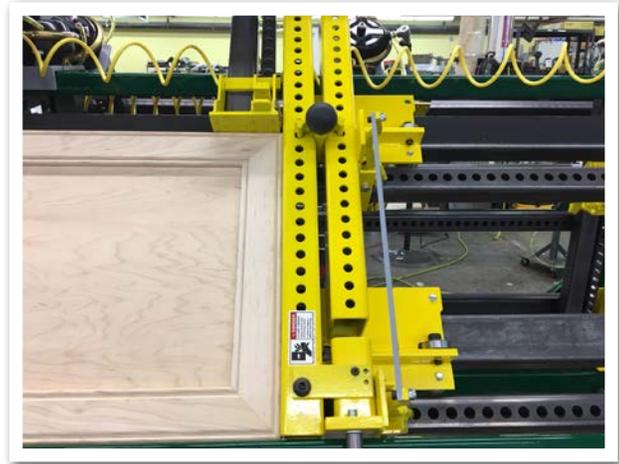
Electric Gear Motor Provides Counter-Clockwise
Rotation for Operator Safety

Single Button Control Box Activates Rotation and
Includes Auto Index Feature



In a typical door shop glue is applied and components assembled on an assembly table. The door is placed in a section and clamps adjusted. The cylinders are activated by one valve which first creates side pressure pushing the door on the left side square, a second later the vertical clamps are activated to create pressure on the glue joints.

A motor drive is used to rotate the next section. The cured door is removed and new components are placed in that section for clamping. Our 5 section Door Pro can produce up to 250 doors in an 8 hour shift. This equates to approximately 2.5 minutes per door and a clamping time of 12 minutes.



All Pneumatic Clamps are Designed for Quick and Easy Changeovers, Increasing your Productivity

Heavy Duty Diaphragm Cylinders Provide up to 1500 lbs of Clamping per Clamp

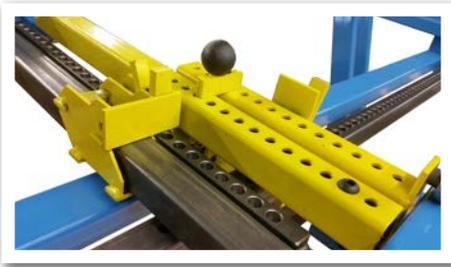


Clamp Doors Face Up to Eliminate the pinning process.

The Taylor Mitered Door Pro has all of the features of our standard machine. This design also includes Dial Regulators to adjust individual clamp pressures to “dial” in mitered joints for high quality doors.

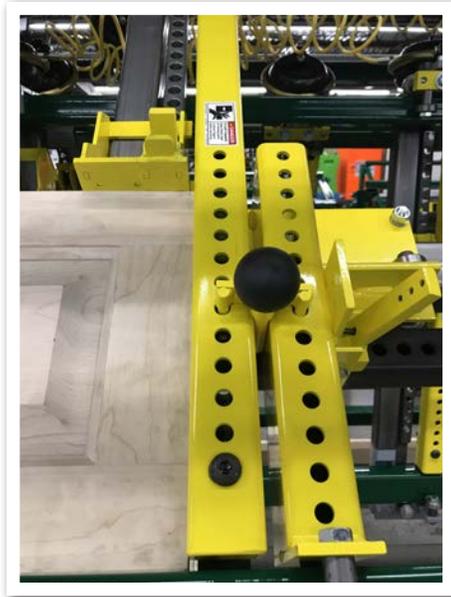
Some mitered joints are built with dowels, some are built with mortise and tenons. If there is any slippage between the components, it is absolutely necessary to be able to adjust both vertical and horizontal pressures at each joint, otherwise, productivity is very low. Our Dial Regulator System makes this adjustment quick and easy.

#717 Technology



The #700 series is our new design. We have improved in the areas of door quality and machining productivity.

The draw bar (shown top photo) is no longer in the center of the clamps but moved to the outside of the clamps. This design shifts the clamping pressure to the center of the glue joint this eliminating bowed stiles and increasing door quality.



The Trident Pin (shown all photos) is repositioned for different door sizes. This pin locates the side pressure to the center of the door every time, thus increasing door quality. It also increases machine productivity because it is no longer necessary to move the cross clamps to different locations. This is a Taylor 1st and not available on other brands.

The vertical clamp cylinders have been moved to the rear of the sections allowing the operator better access to the clamping area.

The moveable clamping bar is now supported with wheels in 3 locations rather than 2. Changing sizes is faster and easier than earlier models.

Standard Door Pro Technology

Single lever valve for air activation

Dial regulators for the corners of a mitered door.

Clamping square is set at the factory but can be realigned with shims if necessary.

Auto index is standard, machine stops automatically and finishing height is adjustable.



Proven JLT Features and Advantages



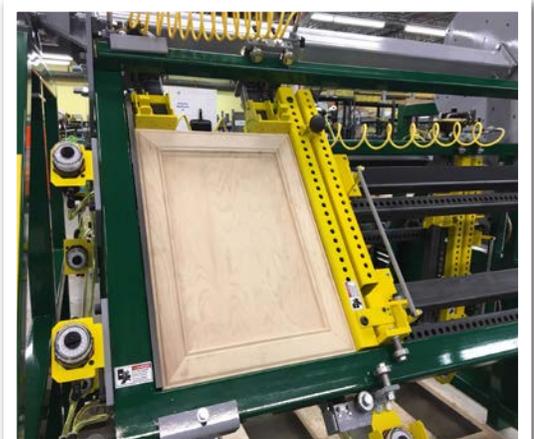
Mitered Door Pro

The Mitered Door Pro features our proven JLT Dial Control System for clamping and squaring mitered doors.

Each clamp is equipped with a dial control regulator. Assembled doors are positioned in the square. Low pressure is applied to pull joints in. Vertical and horizontal pressure is adjusted independently to align mitered joints and clamp in both directions.

The #717 technology described on the opposite page is part of the Mitered Door Clamp design. Drawbars and jaws are moved out to place the clamping pressure on the joints where it is needed

The Trident Pin is used to adjust for different door sizes and the Mitered Door Clamp comes standard with two cross clamps. Changing sizes is the fastest in the industry.



Rotation

The rotation of the machine is initiated and completed with the push of a button.

Rotation is powered with an electric motor and gear box assembly which is shaft mounted.

The stopping position is easily adjusted for different operators or different jobs.



Frame Construction and Shipping

All Door Pro frames and center rotation drums are welded. This is necessary to produce a square and rigid frame.

The frames and 1 or 2 sections are skidded and shipped on a skid. The other frames are stacked for easy installation.



Options



Foil and MDF Door Non-Marking Kit:

This kit is designed for customers clamping doors with a soft surface to eliminate marking. The UHMW Polyethylene is a durable non-stick plastic which provides a smooth “scratch free” surface. The UHMW is 1/4” thick and is securely fastened to the Door Clamp section frame. It is a durable and smooth surface which is easy to keep clean.



Safety Options:

Each section can be equipped with a two-hand activation control box. This box is 100% Pneumatic and can retrofit existing machines.

Perimeter Guarding is also available on all machines. Packages can be equipped with or without a door that is interlocked with the machine's control system.



Taylor has developed a variety of guarding packages for different customers. They include both vertical and horizontal clamp jaws. Please contact us for details.

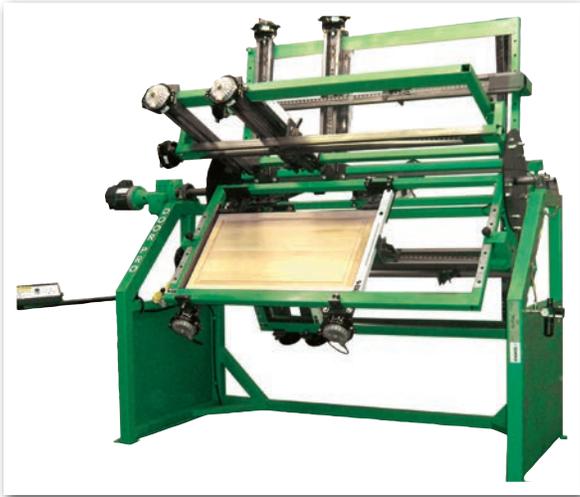
Other Options:

Extra center bars and vertical clamps can be ordered with a machine. This allows the user to clamp several smaller doors in one or more sections increasing productivity

The photo on the left illustrates multiple doors per section. Please note that doors do NOT have to be the same size.



Door Pro Models



Standard (Regular Kitchen Doors)

#717-5-26"-61"

5 Station Standard Door Pro
Very Productive, Small Footprint
250 Cope & Stick Doors per Day

#717-8-26"-61"

8 Station Standard Door Pro
Highest Production
400 Cope & Stick Doors per Day

#717-M-5-26"-61"

5 Station Mitered Door Pro
Mitered **AND** Cope & Stick Doors
250 Doors per Day



#717-M-8-26"-61"

8 Station Mitered Door Pro
Higher Production for Mitered Doors
AND Cope & Stick Doors

LCS (Larger Doors)

#717-5(LCS)-38"-96"

5 Station Door Pro
Larger Capacity 38" X 96"
250 Large Doors per Day
Multiple Small Doors per Section
for Higher Production



#717-8(LCS)-38"-96"

8 Station Door Pro
Larger Capacity 38" X 96"
350 Large Doors per Day
Multiple Small Doors per Section
for Higher Production

#717-5-M-38"-96"

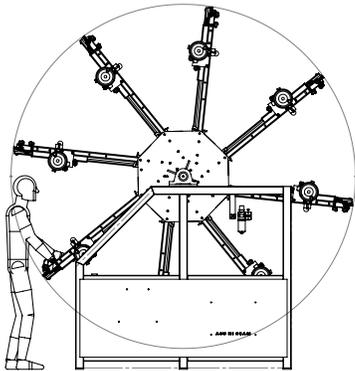
5 Station Mitered Door Pro
Larger Capacity 38" X 96"

#717-8-M-38"-96"

8 Station Mitered Door Pro
Larger Capacity 38" X 96"

Specifications/Power Requirements

Space Requirements:



Standard Machines (5 & 8 Station)

| | |
|--------|------|
| Width | 9'4" |
| Depth | 8'4" |
| Height | 9'4" |

Large Capacity Machines (5 & 8 Station)

| | |
|--------|-------|
| Width | 12'8" |
| Depth | 10'8" |
| Height | 11'8" |

Space Requirements:

Compressed Air, 1/2" Line, 90 PSI
120 Volt, Single Phase, 5 Amp

Other Taylor/Cameron Systems



Standard Clamp Carrier

- Custom cabinet door shop
- Smaller furniture manufacturer
- Simple pneumatic operation
- 75-150 panels per day depending on size



Skew-full rip optimization system for the custom shop

- Improve safety by removing the operator from the kick-back danger zone
- Lumber savings by increasing yields 7-10% over hand feeding
- Labor and yield savings when upgrading from straight line rip saw
- Improved data collection with fully integrated rip software