



PAT MOONEY, INC.

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PMI-14 A-type 45 Degree V-Notch Saw

The PMI-14 A 45 Degree Double-Blade Angular Sawing Machine is designed to cut non-ferrous material quickly, accurately and with a burr free finish. This Machine has two saw blades that are positioned at 45 degrees vertically to reduce waste. The PMI-14 A is ideal for manufacturers of door and window frames because it can produce two opposing 45 degree cuts in a single cycle. The double saw blade design greatly increases your production and efficiency.

Saw Blade Spindle:

The Saw Blades travel vertically through the work piece on two precision machined shafts to assure consistent and accurate cutting. The PMI-14 A comes equipped with two saw blades that are staggered at 45 degrees. Each saw blade is operated by its own 2 HP saw motor.

Saw Blade Feed:

The saw blade feed is controlled via a pneumatic cylinder with full control of the feed rate. This allows for accurate cuts and long blade life. In addition, the saw blade travel is controlled for fastest cycle time.

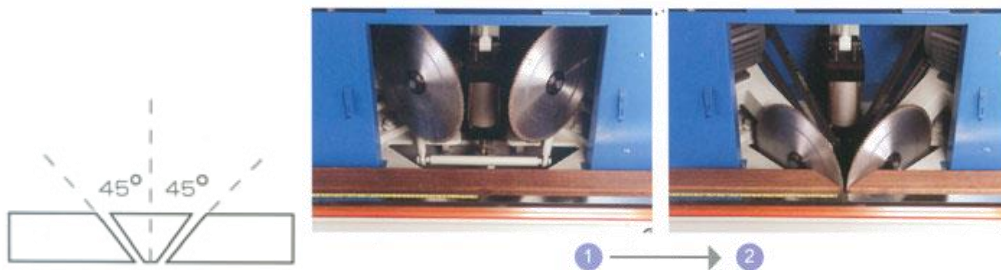
Work Piece Clamping:

The PMI-14 A is equipped with two vertical clamps and two horizontal clamps. The pneumatic clamping system has adjustable clamping pressure to prevent distortion when cutting thin walled materials.

Saw Blade Lubrication:

Saw Blades are lubricated via a precision mist system. A small amount of lubricant is introduced to an air line at the point of discharge for control and economical distribution of the saw lubricant.

Saw Operation:



Safety Features:

- Safety Machine Enclosure
- Safety Limit Switch: Blade access door is protected via a limit switch that will shut down the machine in case of an open door.



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Technical Data:

Cutting Angle	45 Degrees
Cutting Width	100mm (3.93") / 90mm (3.54")
Cutting Height	100mm (3.93") / 140mm (5.51")
Saw Blade Size	14 inch x 1" Bore (2)
Saw Blade Speed	3400 RPM
Saw Blade Motor	2 HP (Each Saw Blade)
Work Table Height	830mm (32.67")
Machine Size	1370mm (53.93") x 820mm (32.28") x 1310mm (51.57")
Machine Weight	682LBS