PAT MOONEY SAWS
CUSTOMIZED SOLUTIONS

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PMI

PMI-14 B-Type 45 Degree Framing Saw

The PMI-14 B-Type is a 45 Degree Double-Blade Sawing Machine for making framing and notching cuts of non-ferrous material quickly, accurately and with a burr free finish. It has two saw blades that are positioned at 45 degrees vertically to reduce waste. The PMI-14 B is ideal for manufacturers of door and window frames because it produces two opposing 45 degree cuts in a single cycle. The double saw blade design greatly increases 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 B is equipped with two 18" saw blades that are staggered at 45 degrees. Each saw blade is operated by its own 2HP 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 B 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.
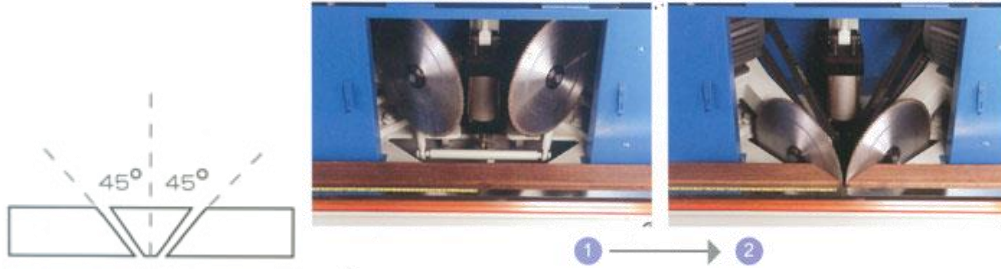
Saw Blade Lubrication:

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.

Technical Data:

Cutting Angle	45 Degrees
Max Cutting Width	130mm (5.12")
Max cutting Height	180mm (7.09")
Saw Blade Size	18 inch x 1" Bore (2)
Saw Blade Speed	3000 RPM
Saw Blade Motor	3 HP (Each Saw Blade)
Work Table Height	830mm (32.67")
Machine Size	1400mm (55") x 1000mm (39") x 1400mm (55")
Machine Weight	750LBS

2 Saw Blades Included
Tool Box Included