



PAT MOONEY, INC.

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PMI-LJK500NC Notching Saw

The PMI-LJK500 is designed for applications that require notch cuts. The LJK500 has two saw heads that can be positioned from -45 degrees to +45 degrees and a saw table that can be positioned from -45 degrees to +45 degrees so the machine can perform a wide range of special notch cuts that require special angles. The angles are set automatically via a servo motor and key pad control. The machine's precision design ensures accurate notches.



Saw Head:

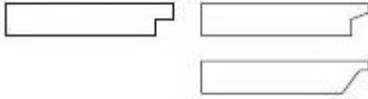
The machine is equipped with two saw blades that can be positioned from -45 degrees to +45 degrees. The saw blades are positioned automatically with servo control. The operator enters the required angle into the keypad control and the saw heads automatically position to the entered angle. One blade is mounted vertically and one saw blade is mounted horizontally. The vertical saw blade is a 24 inch diameter and the horizontal blade is a 20 inch diameter. Since the saw blades can swing 45 degrees in both directions, the saw is capable of notching various angles. Each saw head has its own 5 HP saw motor. The saw blade speed is 2,800 RPM. Below is a drawing showing some examples of the notches the saw can produce.



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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.

Saw Table:

The saw table is adjustable from -45 degrees to +45 degrees. The saw table is automatically positioned via a servo. The operator enters the angle into the keypad control and the table automatically positioned to the entered angle. As an option, the saw table can be positioned from -45 degrees to +67.5 degrees.

Work Piece Clamping:

The machine is equipped with vertical and horizontal clamps to ensure the workpiece is secured during the sawing operation. The pneumatic clamping system has adjustable clamping pressure to prevent distortion when cutting thin walled materials. The clamp position is adjustable to accommodate a wide range of material shapes and sizes.

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.



Safety Features:

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



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Technical Data:

Cutting Angle

Vertical Saw Blade	+/- 45 degrees
Horizontal Saw Blade	+/- 45 degrees
Saw Table	+/- 45 degrees (optional -45 degrees and +67.5 degrees)

Cutting Depth

Vertical Saw Blade	8.67 Inches (220mm)
Horizontal Saw Blade	6.7 Inches (170mm)

Saw Blade Size

Vertical Saw Blade	24 Inch
Horizontal Saw Blade	20 Inch

Saw Blade Speed

2800 RPM

Servo Motor (angle control)

Vertical Saw Blade	1 kw
Horizontal Saw Blade	1 kw
Workable	1 kw

Saw Blade Motor

5 HP (2)

Machine Size

124" x 74" x 71"

Machine Weight

3,350 LBS