



**PAT MOONEY, INC.**

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## **PMI PRECISION UPCUT SAW FOR ALUMINUM PROFILES**

Model: PMI-24

The PMI Precision Cutoff Saws are designed to saw aluminum profiles quickly, accurately and with a burr free mirror finish. The PMI-24CE has many outstanding features that allow maximum productivity while providing a safe work environment.

### **Machine Features:**

#### *10 HP Saw Motor*

The strong drive system via a 10 HP saw motor allows for maximum cutting force and chip removal. This additional power extends the life of the saw blade between regrinds.

#### *Upcut Design and Saw Blade Chamber*

The PMI-24CE is an Upcut saw. The saw blade is housed under the work table and travels up through the work piece. This has several advantages such as safety (less blade exposed during cut), chip removal and longer blade life.

#### *Precision Ground Work Table with Special Surface Coating*

The work table is a ground surface and is coated with a special Chromate coating which prevents marring the outside of your work piece.

#### *Material Clamping*

The hydraulic clamping system has adjustable clamping pressure to prevent distortion of thin wall profiles. The top clamp holds the work piece on both sides of the saw blade to deliver a burr free cutoff part. This clamp is controlled by its own cylinder and is adjustable according to the size of the work piece.

#### *Saw Blade Feed*

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

#### *Precise Micro-Drip Blade Lubrication System*

The blade is lubricated via a micro-drip 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.



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**Safety Features:**

*Safety Machine Enclosure*

The work table is guarded via a machine enclosure that is also monitored by a limit switch. The cover must be closed for the saw to cycle.

*Two Hand Cycle Start Activation*

Dual start push button insures the operator has both hands free of the machine.

*Safety Limit Switch*

The blade access door is protected via a limit switch that shuts down the machine in case of an open door.

**Technical Data:**

Saw Blade Size	24" X 1" Bore
Saw Motor	10 HP
Saw Blade Speed	2000 RPM
Table Size	45 1/4 x 26" (1150mm x 660mm)
Work Height	29 1/2" (750mm)
Machine Dimensions	49 1/4" x 49 1/4" x 66 7/8"
Machine Weight	1210 lbs

**Additional Standard Items included with the PMI-24:**

- Tool kit
- Kanefusa 120T Saw Blade
- Operating Manual

**Cutting Capacity**

Round-90 Degree	7.873"
Round-45 Degree	NA
Square-90 Degree	7.873"
Square-45 Degree	NA
Rec a x b-90 Degree	6.613 x 9.448
Rec a x b-90 Degree	7.086 x 5.668
Rec a x b-90 Degree	.471 x 15.875
Rec a x b-45 Degree	NA
Rec a x b-45 Degree	NA
Rec a x b-45 Degree	NA