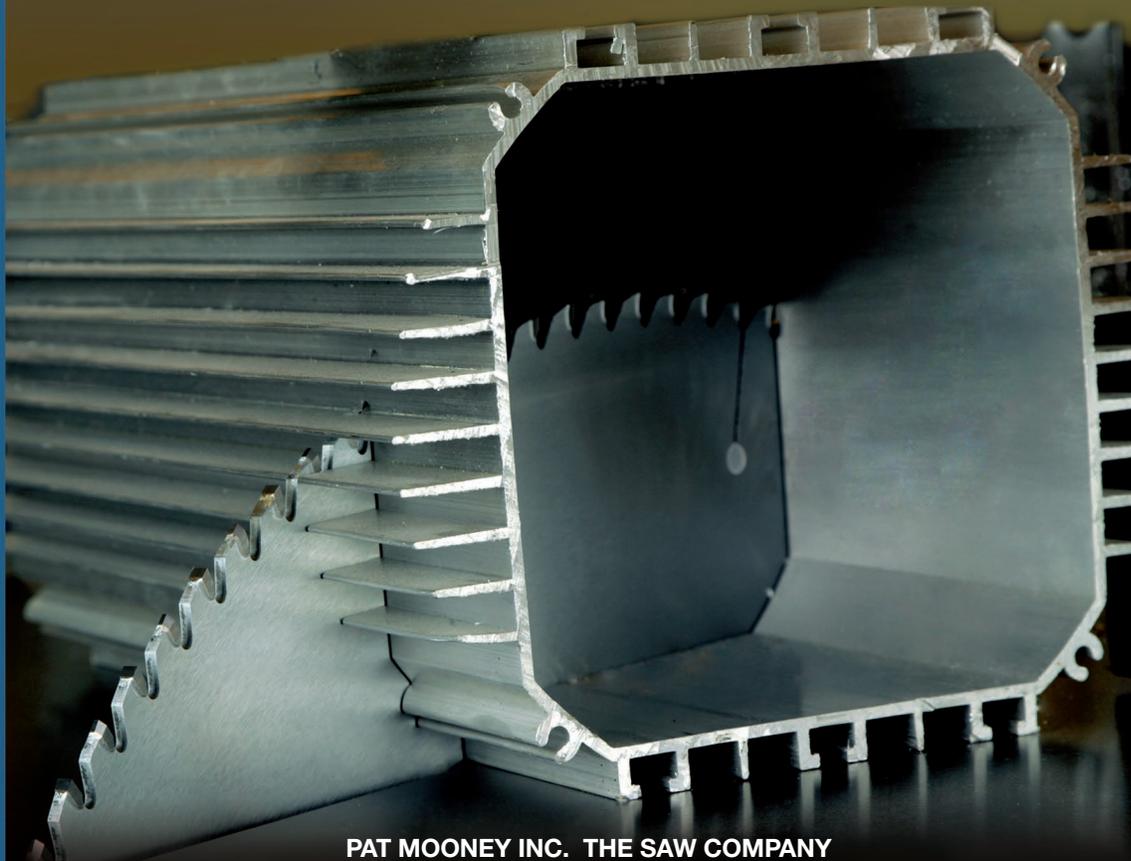




PRECISION NON-FERROUS SAWING MACHINES

PRO PMI SERIES



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PMI PRECISION UPCUT SAW FOR ALUMINUM PROFILES

MODEL: PMI-18 CD

The PMI Precision Cutoff Saws are designed to saw aluminum profiles quickly and accurately with a burr free mirror finish. The PMI-18CD has many outstanding features that allow maximum productivity and also provide a safe work environment.



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 that the operator has both hands free of the machine.

Safety Limit Switch

Blade access door is protected via limit switch that will shut down the machine in the case of open door.

Machine Features:

7.5 HP Saw Motor

This strong drive system via 7.5 HP saw motor allows for maximum cutting force and chip removal. This additional power will also extend the life of the saw blade between regrinds.

Upcut Design and Saw Blade Chamber

The PMI-18CD 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. This coating prevents marring the outside of your work piece.

Material Clamping

The pneumatic 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 has adjustment according to the size of the work piece.

Saw Blade Feed

The saw blade feed is controlled via a pneumatic cylinder with full control of the feed rate. This will allow for 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.

PMI PRECISION UPCUT SAW FOR ALUMINUM PROFILES

MODEL PMI-20 MITRE SAW

The PMI Precision Cutoff Saws are designed to saw aluminum profiles quickly and accurately with a burr free mirror finish. The PMI-20 has many outstanding features that allow maximum productivity and also providing a safe work environment. The saw blade is mounted on a turntable to set up any miter cut in seconds, without moving the work piece to be cut.



Machine Features:

Miter Capability

The PMI-20 is equipped with a turn table that allows the set up of any miter cut in seconds. A positive lock of the table is released and then built in handles allow for easy turning of the saw blade approach. Several positive stops via locking pin allow for rapid and accurate set up of the angle to be cut. The work piece DOES NOT need to be moved from the 90 degree in feed direction.

5 HP Saw Motor

This strong drive system via 5 HP saw motor allows for maximum cutting force and chip removal. This additional power will also extend the life of the saw blade between regrinds.

Upcut Design and Saw Blade Chamber

The PMI-20 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. This coating prevents marring the outside of your work piece.

Material Clamping

The pneumatic 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 has adjustment according to the size of the work piece.

Saw Blade Feed

The saw blade feed is controlled via a pneumatic cylinder with full control of the feed rate. This will allow for 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.

Cutting Capacity	PMI-18 CD	PMI-20 MITRE SAW
Round-90 Deg	5.905 inch	5.905 inch
Round-45 Deg	N/A	5.511 inch
Square-90 Deg	5.511 inch	5.905 inch
Square-45 Deg	N/A	5.511 inch
Rec a x b-90 Deg	5.118 x 8.267 inch	5.511 x 7.874 inch
Rec a x b-90 Deg	5.511 x 6.693 inch	5.905 x 4.724 inch
Rec a x b-90 Deg	0.393 x 12 inch	0.393 x 13.188 inch
Rec a x b-45 Deg	N/A	5.905 x 3.543 inch
Rec a x b-45 Deg	N/A	5.511 x 5.118 inch
Rec a x b-45 Deg	N/A	0.393 x 9.448 inch

Technical Data	PMI-18 CD	PMI-20 MITRE SAW
Saw Blade Diameter	18 inches	20 inches
Saw Blade Bore	1 inch	1 inch
Saw Motor	7.5 HP	5 HP
Saw Blade Speed	3500 RPM	3500 RPM
Table Size	26-1/3 x 26 inches	35-5/8 x 35-5/8 inches
Work Height	(640 mm x 660mm)	(905 mm x 905 mm)
Machine Dimensions	34 x 35 x 66 inches	51 x 44 x 72 inches
Machine Weight	770 lbs	1275 lbs



FAST. PRECISE. SAFE.

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