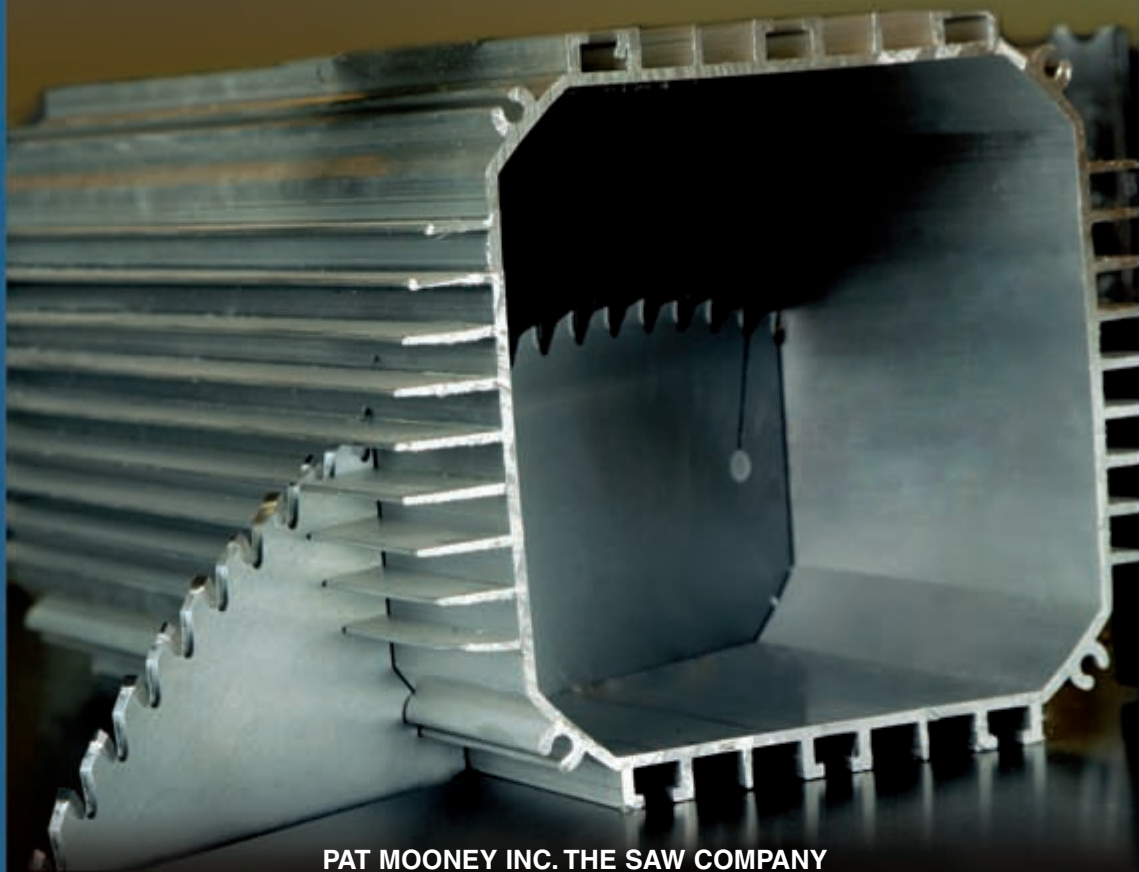




PRECISION NON-FERROUS SAWING MACHINES

## PRO PMI SERIES



PAT MOONEY INC. THE SAW COMPANY  
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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**

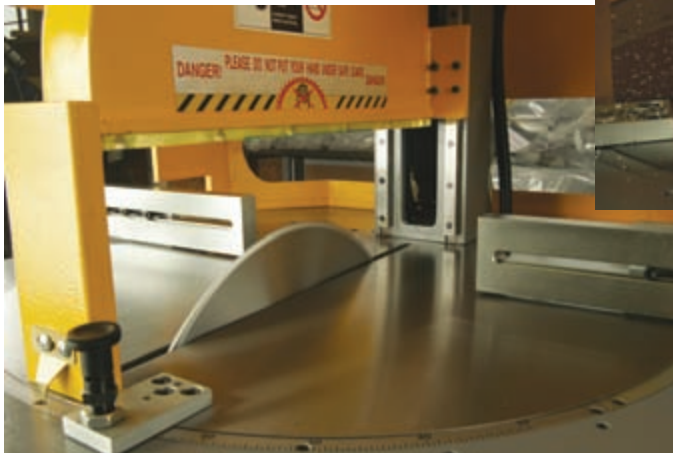
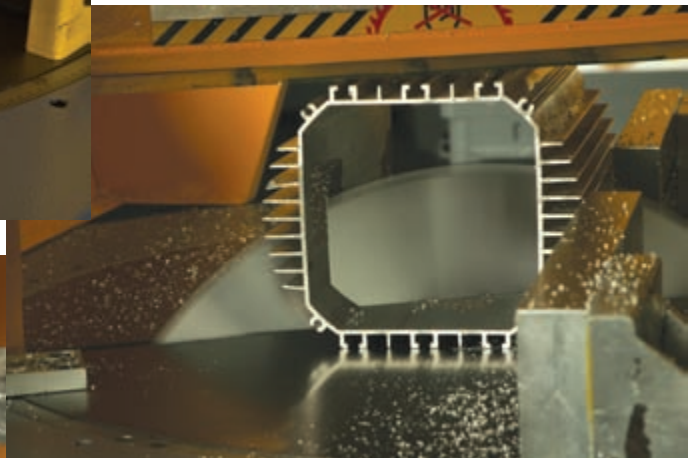
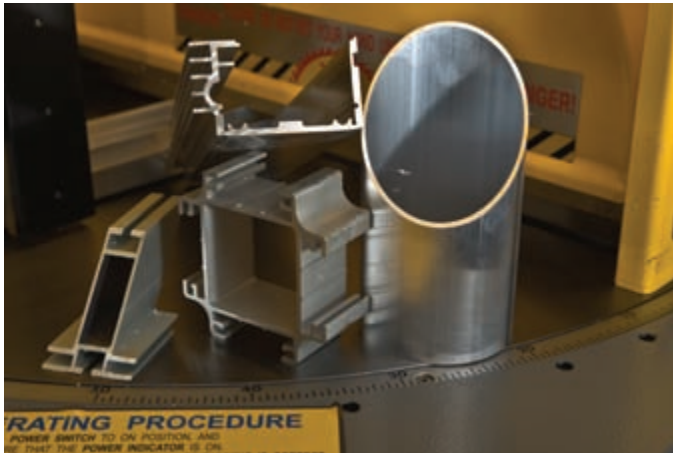
The blade is lubricated via a micro-drip system. A small amount of lubricant is introduced to an air line at the point of discharge for control and economical distribution of the saw lubricant.



# UPCUT SAWS

Pro PMI Series Saws are designed to saw non-ferrous profiles quickly and accurately with a burr free mirror finish.

**Send us your samples and we will show you how...**



REPLACEMENT BLADES

AFTER SALES  
TECHNICAL SUPPORT

KANEFUS  
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# 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.

# AUTOMATE YOUR PMI SAW WITH TIGERSTOP



## AUTOMATED STOP/GAUGE AND PUSHER SYSTEMS FROM TIGERSTOP

- Eliminate Setup Time
- Reduce Waste
- Stop Rework
- Improve Accuracy

The TigerStop System can be used as an automatic length gauge or a pusher index system. If you use as a pusher, your PMI saw will operate as an automatic machine. The TigerStop can also be set up with optimization software to further save your company time and money. This optimization software allows you to most efficiently utilize your material for jobs.



## OTHER AVAILABLE ACCESSORIES



**INFEEED ROLLER  
CONVEYOR  
(PLASTIC ROLLERS)**

**OUTFEED ROLLER TABLE  
(MAGNETIC SCALE WITH  
LCD DISPLAY)**



**OUTFEED ROLLER TABLE  
(COMMON SCALE WITH STOP)**



# PRO PMI SERIES

## TECHNICAL SPECIFICATIONS

| Cutting Capacity      | PMI18CD        | PMI20 Mitre Saw  | PMI20-24 Mitre Saw | PMI24CE               | PMI30CE           |
|-----------------------|----------------|------------------|--------------------|-----------------------|-------------------|
| Round-90 Degree       | 5.905"         | 5.905"           | 7.873"             | 7.873"                | 9.841"            |
| Round-45 Degree       | NA             | 5.511"           | 6.613"             | NA                    | NA                |
| Square-90 Degree      | 5.511"         | 5.905"           | 7.873"             | 7.873"                | 9.841"            |
| Square-45 Degree      | NA             | 5.511"           | 6.613"             | NA                    | NA                |
| Rec a x b-90 Degree   | 5.118 x 8.267" | 5.511 x 7.874"   | 6.613 x 9.448"     | 6.613 x 9.448"        | 8.266 x 11.81"    |
| Rec a x b-90 Degree   | 5.511 x 6.693" | 5.905 x 4.724"   | 7.873 x 5.668"     | 7.086 x 5.668"        | 8.857 x 7.085"    |
| Rec a x b-90 Degree   | .393 x 12"     | .393 x 13.188"   | .471 x 15.825"     | .471 x 15.875"        | .588 x 19.843"    |
| Rec a x b-45 Degree   | NA             | 5.905 x 3.543"   | 7.873 x 4.251"     | NA                    | NA                |
| Rec a x b-45 Degree   | NA             | 5.511 x 5.118"   | 6.613 x 6.613"     | NA                    | NA                |
| Rec a x b-45 Degree   | NA             | .393 x 9.448"    | .471 x 11.337"     | NA                    | NA                |
| <b>Technical Data</b> |                |                  |                    |                       |                   |
| Saw Blade Diameter    | 18"            | 20"              | 24"                | 24"                   | 30"               |
| Bore                  | 1"             | 1"               | 1"                 | 1"                    | 2"                |
| Saw Motor             | 7.5 HP         | 7.5 HP           | 7.5 HP             | 7.5 HP                | 15 HP             |
| Saw Blade Speed       | 3500 RPM       | 3500 RPM         | 2000 RPM           | 2000 RPM              | 1800 RPM          |
| Table Size            | 26-1/3 x 26"   | 35-5/8 x 35-5/8" | 44-7/8 x 29-1/2"   | 45-1/2 x 26"          | 32-1/4 x 32-1/4"  |
| Work Height           | 34"            | 34"              | 36-1/4"            | 32-1/2"               | 33-7/8"           |
| Machine Dimensions    | 29 x 29 x 65"  | 47 x 40 x 71"    | 58 x 53 x 83"      | 49-1/4 x 49-1/4 x 67" | 73 x 40-1/2 x 65" |
| Machine Weight        | 770 lbs        | 1275 lbs         | 2020 lbs           | 1210 lbs              | 1496 lbs          |



**FAST. PRECISE. SAFE.**

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