



PAT MOONEY, INC.

16 W. Official Road, Addison, Illinois 60101
Telephone 630/543-6222 • 800/323-7503 • Fax 630/543-5584

www.patmooneysaws.com



PMI-20 PMI PRECISION UPCUT SAW FOR ALUMINUM EXTRUSIONS AND PROFILES

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

Machine Features:

Mitre Capability:

The PMI-20 is equipped with a turn table that allows set up of 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 a 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.

7.5 HP Saw Motor:

The strong drive system via a 7.5 HP saw motor allows for maximum cutting force and chip removal. The additional power extends 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 which 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 saw comes standard with vertical and horizontal clamps. The top clamp holds the work piece on both sides of the saw blade to deliver a burr free cutoff part. The clamping system is controlled by its own cylinder and is adjustable according to 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 allows 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 airline 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 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 20" (505 MM) X 1" Bore
- Saw Motor 7.5 HP
- Saw Blade Speed 2800 RPM
- Table Size 35-5/8 x 35-5/8 (905 x 905 MM)
- Work Height 33-3/32 inch (895 MM)
- Machine Dimensions 51" x 44" x 72"
- Machine Weight 1275 lbs

Additional Standard Items included with purchase of the PMI-20:

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

Cutting Capacity

Round-90 Degree	5.905"
Round-45 Degree	5.511"
Square-90 Degree	5.905"
Square-45 Degree	5.511"
Rec a x b-90 Degree	5.511 x 7.874"
Rec a x b-90 Degree	5.905 x 4.724"
Rec a x b-90 Degree	.393 x 13.188"
Rec a x b-45 Degree	5.905 x 3.543"
Rec a x b-45 Degree	5.511 x 5.118"
Rec a x b-45 Degree	.393 x 9.448"