



PAT MOONEY, INC.

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PMI-20 36 Type PMI PRECISION UPCUT SAW FOR ALUMINUM PROFILES

The PMI Precision Cutoff Saws are designed to saw aluminum profiles quickly, accurately and with a burr free mirror finish. The PMI-20 36 type has many outstanding features that allow maximum productivity while providing 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:

Powered Saw Head for Miter Positioning:

The PMI-20 36 type is equipped with a turn table that allows set up of any miter cut in seconds. The operator simply keys the desired angle into the machine's easy-to-use HMI touchscreen control and the sawhead will automatically position to the entered angle. The angle positioning is servo controlled.

10 HP Saw Motor:

This strong drive system via a 10 HP saw motor allows 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 36 type 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 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. The Clamping Speed is also adjustable.



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Saw Blade Feed:

The saw blade feed is controlled via a Hydraulic Cylinder with full control of the feed rate. This allows for accurate cuts and long blade life. The hydraulic cutting allows the machine to cut solid material with precision. 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

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 will shut down the machine in case of an open door.

Technical Data:

- Saw Blade Size 36" (910mm) x 50mm bore
- Saw Motor 10 HP
- Saw Blade Speed 1200 RPM
- Table Size 59" x 30.5" (1500mm x 770mm)
- Work Height 48" (1220mm)
- Machine Dimensions 69.5" x 62.25" x 99.25" (1770mm x 1580 x 2520)
- Machine Weight 3,960 LBS (1800kgs)
- 1 Blade Included
- Tool Box Included