



## **PAT MOONEY, INC.**

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

[www.patmooneysaws.com](http://www.patmooneysaws.com)



# **PMI-T5S – Automatic Compound Miter Saw PMI PRECISION UPCUT SAW FOR ALUMINUM EXTRUSIONS AND PROFILES**

**The PMI-T5S is capable of compound mitering. The sawhead's position is servo driven for precision accuracy. The automatic compound miter function automatically positions the saw head for angle cuts from 0 to 45 degrees in the rotary (left and right) and tilt (right) position. The precision pusher system provides accurate cut to length parts.**

## **Machine Features:**

### Automatic Compound Miter Capability:

The PMI-T5S automatically positions the sawhead for rotary and tilt angle cuts (compound miters). The saw head is capable of rotating 45 degrees to the left and right. It will tilt 45 degrees to the right. The miter is servo driven for precision accuracy.

### HMI Touch Screen:

The touch screen is user friendly. The screen is 5.7" and easy to read. The cut length(s); angle(s) rotation and tilt; and number of pieces to cut are entered onto the touch screen control when setting up a new program.

### Material Feed System:

The material feed system is an automatic pushing system that is servo driven. The pusher system is capable of pushing up to 110pounds. The pusher system is mounted on a rigid conveyor table. The pusher's positioning speeds range from 65 FPM to 165 FPM.

### NC Control:

The NC control is capable of storing up to 100 different cutoff programs.

### 5 HP Saw Motor:

The strong drive system via a 5 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:

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.



## **PAT MOONEY, INC.**

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

[www.patmooneysaws.com](http://www.patmooneysaws.com)



### Material Clamping:

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 clamps hold the work piece on both sides of the saw blade to deliver a burr free cutoff part. Each clamp is controlled by its own cylinder and is adjustable according to the size of the work piece. The system also incorporates a friction clamp on the feed table to ensure the stock stays up against the back fence and pusher foot when the saw head is positioning for angle cuts.

### Saw Blade Feed:

The saw blade feed is controlled via a pneumatic cylinder with full control of the feed rate. It is an air over oil feed system so the operator can regulate and adjust 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 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 shuts down the machine in case of an open door.

## **Technical Data:**

Rotary Miter	45 degrees to the left and right
Tilt Miter	45 degrees to the right
Saw Blade Size	24" or 26" x 1" bore
Spindle Speed	2840 RPM
Saw Motor	5 HP
Servomotor Work table rotation	200w
Servomotor Sawhead Tilt	60w
Program Storage	100
Maximum Pushing Weight	110 lbs. (up to 500LBS available as option)
Work Table Height	34-1/2"
Saw Dimensions	65" x 67" x 73" (saw only)
Saw Weight	2,156 lbs (saw only)



**PAT MOONEY, INC.**

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

[www.patmooneysaws.com](http://www.patmooneysaws.com)



**Additional Standard Items included with the purchase of the PMI-T5S:**

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