Precision Gear Driven Band Saws and CNC Drilling Centers

- Manual Pull Down and Gravity Feed Series
- Semi-Automatic Series
- Automatic Series
- Structural Series
- Grating and Panel Series
- Vertical Tilt-Frame Series
- Roller Tables
- 3-Axis CNC Vertical Drilling Center

PAT MOONEY SAWS®
CUSTOMIZED SOLUTIONS

Our Partnership Continues…

Pat Mooney established Pat Mooney, Inc. in 1949 to serve the Metal Cutting Industry. Since our company was founded, our product offering has expanded and evolved making us a market leader in the industry. Pat Mooney's philosophy was to always remember that we are in the business to serve our customers and provide solutions to each and every one. This philosophy continues today. We are known throughout the industry for the high level of product knowledge, technical and customer service that we bring to each customer's specific needs.

Today, Pat Mooney Saws continues to be family owned and operated by the 3rd and 4th generations (Pat Mooney's grandson and great-grandsons). For 70 years, we have been innovators in the Metal Cutting Industry. Our partnerships, together with the highest quality saw blade and machinery builders, have made us a market leader for sawing products.

Our partnership with FMB was established in 1990.

FMB Sawing Technology

FMB was founded in 1982. At this time, the market for precision sawing was dominated by circular saws. FMB was one of the very first manufacturers to introduce the European-style band saw machine as a replacement for circular saws. FMB's Manual Pull Down Bandsaw is the original and today, it is the standard for this style machine. Its precision saw blade guide system, true direct drive saw motor, heavy cast sawhead, and rigid construction ensure that your FMB saw will provide accurate cuts year after year.

Since 1982, FMB has greatly expanded its product offering. They now offer over 30 models with cutting capacities ranging from 8-5/8" to over 20 inches. Within their product offering, there are Manual, Gravity Feed, Semi-Automatic, and Fully Automatic Horizontal Bandsaws, Vertical Tilt-Frame Bandsaws, and CNC Drilling Centers.

FMB has invested in their engineering and technical department so they can continue to build the most precise bandsaws on the market. All FMB machines are subject to a series of tests during and after production to ensure that each machine is produced to their high quality standard.

With Partnership Comes Innovation

Pat Mooney Saws is headquartered in Addison, IL. We have a total of 60,000 sq. ft. with 10,000 sq. ft. dedicated to our Training and Technical Center that houses over 15 machines under power. In our Training and Technical Center, we will perform test cuts, runoffs, and machinery demonstrations. We also offer training to our customers and dealer partners. We have a large, well-stocked inventory of saw machines, saw blades, and spare parts that are ready for delivery. Our knowledgeable technical and customer support staff will assist you and answer all your questions.

Manual Pull Down and Gravity Feed Series

Pro Miter Series 3
- PHOENIX
- TRITON
- TITAN GV
- MERCURY GV

ProDM Miter Series 5
- ANTARES
- ORION G
- SATURN GV

Semi-Automatic Series

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- CENTAURO
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Manual Pull Down and Gravity Feed Series

Pro Miter Series

PHOENIX

- Up to 60-degree miter
- 8-5/8" Round Cutting Capacity
- Available in Manual Pull Down or Gravity Feed

Cutting Capacity	0 Degree	45 Degree	60 Degree
Round	8-5/8"	6"	3-1/2"
Rectangle A	5" x 10"	8" x 5-1/4"	3-1/2" x 3-1/2"
Rectangle B	8-1/2" x 9"	—	—
Square	8-1/2" x 8-1/2"	6" x 6"	3-1/2" x 3-1/2"

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
8' x 1" x .035"	115 and 230 FPM (110v/1PH is 1 Speed - 230 FPM)	1 HP	220v/3PH, 440v/3PH, 110v/1PH	32" x 53"	670 lbs.

TRITON

- Up to 60-degree miter
- 9-1/2" Round Cutting Capacity
- Available in Manual Pull Down or Gravity Feed

Cutting Capacity	0 Degree	45 Degree	60 Degree
Round	9-1/2"	7-1/4"	4-1/2"
Rectangle A	8-1/4" x 11"	5-1/2" x 7"	4-1/3" x 4-1/3"
Rectangle B	9-1/2" x 10-1/4"	8-3/4" x 6-1/2"	—
Square	9-1/2" x 9-1/2"	6-3/4" x 6-3/4"	4-1/3" x 4-1/3"

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
8'10" x 1" x .035"	115 and 230 FPM (110v/1PH is 1 Speed - 230 FPM)	1.5 HP	220v/3PH 440v/3PH 110v/1PH	32" x 55"	700 lbs.

Pro Miter Series

TITAN GV

- Up to 60-degree miter
- 10-1/4" Round Cutting Capacity
- Standard with Gravity Feed
- Inverter Controlled Infinitely Variable Blade Speed

Cutting Capacity	0 Degree	45 Degree	60 Degree
Round	10-1/4"	10-1/4"	7"
Rectangle A	10-1/4" x 14-1/2"	4-3/4" x 11-1/2"	3-1/2" x 7-1/2"
Square	10-1/4" x 10-1/4"	10-1/4" x 10-1/4"	7" x 7"

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
10'10" x 1" x .035"	Variable 65 to 328 FPM	2 HP	220v/3PH, 440v/3PH, 220v/1PH	35" x 63"	1,075 lbs.

MERCURY GV

- Up to 60-degree miter
- 12" Round Cutting Capacity
- Standard with Gravity Feed
- Inverter Controlled Infinitely Variable Blade Speed

Cutting Capacity	0 Degree	45 Degree	60 Degree
Round	12"	10-1/4"	6-3/4"
Rectangle A	12" x 14-1/2"	6" x 10-1/4"	6-1/4" x 6-3/4"
Rectangle B	—	12" x 8-5/8"	10" x 6"
Square	12" X 12"	9-1/2" x 9-1/2"	6-1/4" x 6-1/4"

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
11'3" x 1" x .035"	Variable 52 to 328 FPM	2 HP	220v/3PH, 440v/3PH, 220v/1PH	39" x 67"	1,425 lbs.

ProDM Miter Series

ANTARES

- Up to 60-degree miter to the right and 45-degree miter to the left
- 7-7/8" Round Cutting Capacity
- Manual Pull Down
- Vise is stationary for left and right miters

Cutting Capacity	0 Degree	45 Degree/Right	60 Degree/Right	45 Degree/Left
Round	7-7/8"	7"	4"	5-1/2"
Rectangle A	7-7/8" x 7-7/8"	5-1/3" x 7"	4" x 4"	5" x 5-2/3"
Rectangle B	9" x 7-7/8"	7-7/8" x 5-1/2"	—	6-2/3" x 4"
Square	7-7/8" x 7-7/8"	6-7/8" x 6-7/8"	4" x 4"	5-1/3" x 5-1/3"

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
8'10" x 1" x .035"	115 and 230 FPM (110v/1PH is 1 Speed - 230 FPM)	1.75 HP	220v/3PH, 440v/3PH, 110v/1PH	35" x 57"	750 lbs.

ORION G

- Up to 60-degree miter to the right and 45-degree miter to the left
- 9-1/2" Round Cutting Capacity
- Standard with Gravity Feed
- Precision T-Slot for Vise Positioning
- Removable vise allows for easy fixturing of special cuts

Cutting Capacity	0 Degree	45 Degree/Right	60 Degree/Right	45 Degree/Left
Round	9-1/2"	6-7/8"	4-1/3"	6"
Rectangle A	8" x 12"	6-5/8" x 6-5/8"	5-1/2" x 4"	5" x 5-5/8"
Rectangle B	9-1/2" x 10-5/8"	9-3/8" x 6"	—	9-3/8"x 2-1/2"
Square	9-1/2" x 9-1/2"	6-5/8" x 6-5/8"	4" x 4"	5-1/3" x 5-1/3"

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
8'10" x 1" x .035"	115 and 230 FPM (110v/1PH is 1 Speed - 230 FPM)	1.75 HP	220v/3PH, 440v/3PH, 110v/1PH	35" x 57"	950 lbs.

ProDM Miter Series

SATURN GV

- Up to 60-degree miter to the right and 45-degree miter to the left
- 12" Round Cutting Capacity
- Standard with Gravity Feed
- Inverter Controlled Infinitely Variable Blade Speed
- Vise Positions on Precision Linear Guideways
- Removable vise allows for easy fixturing of special cuts

Cutting Capacity	0 Degree	45 Degree/Right	60 Degree/Right	45 Degree/Left
Round	12"	10-1/4"	6-3/4"	11"
Rectangle A	12" x 14-3/4"	6" x 10-1/4"	6-1/4" x 6-3/4"	7" x 11"
Rectangle B	—	12" x 8-3/4"	10-1/2" x 6"	12" x 9-5/8"
Square	12" x 12"	9-1/2" x 9-1/2"	6-1/4" X 6-1/4"	10" x 10"

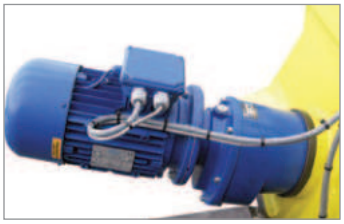
Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
11'3" x 1" x .035"	Variable 52 to 328 FPM	2 HP	220v/3PH, 440v/3PH, 220v/1PH	39" x 67"	1,700 lbs.

Manual Pull Down and Gravity Feed Series

STANDARD FEATURES

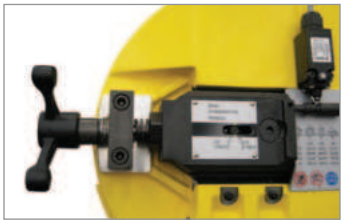
FMB Manual and Gravity Feed Band Saws combine advantages of a circular cold saw with the speed of an abrasive saw and capacity of a traditional band saw. Cutting accuracy and squareness, large capacity, and pivoting sawhead make this ideal for a wide range of iron, steel fabrication and machine shops.

- Heavy Cast Saw Head
- Precision Saw Blade Guide System
- Quick Release Clamp
- Heavy-Duty Cast Clamp
- Machined Horizontal Guide Arm



True direct drive motor/gear box. Helical gear box with gears in carburized, hardened alloy steel.

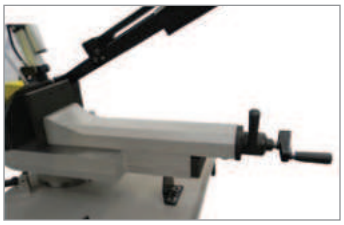
Control panel on the front of machine for optimal ergonomics. Models with hydraulic cutting controls.



Correct saw blade tension is clearly visible with a yellow notch.

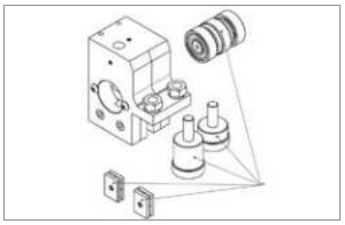
Sawhead frame is single piece construction allowing all machined surfaces to be machined in a single set up. Maintains highest accuracy for mounting of band wheels and band guides.

Electronic variator VHZ for a wide choice in Blade Speed. Models with variable speed.

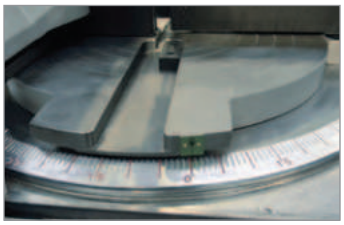


Solid cast iron vice with manual feed and lever for fast clamping.

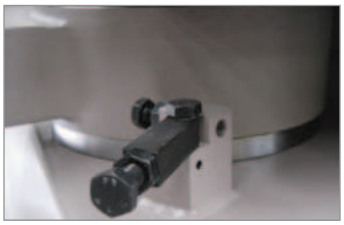
Coolant tank is accessible for easy cleaning and filling.



Saw blade guide blocks provide cutting precision and blade life.



Cutting angle is readable by a graduated scale (Pro DM).



Mechanical stops for fast head rotation at 0, 45 and 60 degrees.

Easy-to-access lock / unlock lever for miter cutting.

Cutting angle is readable by a graduated scale (Pro Miter).

ADDITIONAL OPTIONS

VAT - Display for cutting angle viewing

LX - Laser lighting for cutting line

KIT PN - Pneumatic vise closing

KIT G - Gravitational descent kit

NB1 - Mist sprayer for blade lubrication

For additional information please call 800-323-7503 or visit www.patmooneysaws.com

Pro-Plus Miter Series

CENTAURO

- Positive Hydraulic Cutting Pressure with Manual Saw Vise
- Up to 60-degree miter
- 9-1/2" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed

Cutting Capacity	0 Degree	45 Degree	60 Degree
Round	9-1/2"	7-1/4"	4-1/2"
Rectangle A	8-1/4" x 11"	5-1/2" x 7"	4-1/3" x 4-1/3"
Rectangle B	9-1/2" x 10-1/4"	8-3/4" x 6-1/2"	—
Square	9-1/2" x 9-1/2"	6-3/4" x 6-3/4"	4-1/3" x 4-1/3"

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
8'10" x 1" x .035"	Variable 52 to 393 FPM	2 HP	220v/3PH, 440v/3PH, 220v/1PH	32" x 59"	792 lbs.

SIRIUS

- True Semi-Automatic Operation with hydraulic saw head and clamping
- Up to 60-degree miter
- 9-1/2" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed

Cutting Capacity	0 Degree	45 Degree	60 Degree	Bundle
Round	9-1/2"	7-1/4"	4-1/2"	—
Rectangle A	8-1/4" x 11"	5-1/2" x 7"	4-1/3" x 4-1/3"	4" x 10"
Rectangle B	9-1/2" x 10-1/4"	8-3/4" x 6-1/2"	—	—
Square	9-1/2" x 9-1/2"	6-3/4" x 6-3/4"	4-1/3" x 4-1/3"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
8'10" x 1" x .035"	Variable 52 to 394 FPM	2 HP	220v/3PH, 440v/3PH, 220v/1PH	35" x 59"	860 lbs.

Pro-Plus Miter Series

MAJOR

- True Semi-Automatic Operation with hydraulic saw head and clamping
- Up to 60-degree miter
- 10-1/4" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed

Cutting Capacity	0 Degree	45 Degree	60 Degree	Bundle
Round	10-1/4"	10-1/4"	7"	—
Rectangle A	10-1/4" x 14-1/2"	4-3/4" x 11-1/2"	3-1/2" x 7-1/2"	5-1/2" x 11"
Square	10-1/4" x 10-1/4"	10-1/4" x 10-1/4"	7" x 7"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
10'10" x 1" x .035"	Variable 52 to 394 FPM	2 HP	220v/3PH, 440v/3PH, 220v/1PH	35" x 63"	1,280 lbs.

MERCURY

- True Semi-Automatic Operation with hydraulic saw head and clamping
- Up to 60-degree miter
- 12" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed

Cutting Capacity	0 Degree	45 Degree	60 Degree	Bundle
Round	12"	10-1/4"	6-3/4"	—
Rectangle A	12" x 14-1/2"	6" x 10-1/4"	6-1/4" x 6-3/4"	5-1/2" x 11"
Rectangle B	—	12" x 8-5/8"	10" x 6"	—
Square	12" X 12"	9-1/2" x 9-1/2"	6-1/4" x 6-1/4"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
11'3" x 1" x .035"	Variable 52 to 394 FPM	2 HP	220v/3PH, 440v/3PH, 220v/1PH	39" x 67"	1,425 lbs.

Pro-Plus Miter Series

GALACTIC

- True Semi-Automatic Operation with hydraulic saw head and clamping
- Up to 60-degree miter
- 12" Round Cutting Capacity
- Up to 16-1/2" Width Capacity
- Inverter Controlled Infinitely Variable Blade Speed
- Large work support surface area

Cutting Capacity	0 Degree	45 Degree	60 Degree	Bundle
Round	12"	10-1/4"	7"	—
Rectangle A	10-1/4" x 16"	4-3/4" x 11-1/2"	3-1/2" x 7-1/2"	6" x 15"
Rectangle B	9-1/2" x 16-1/2"	—	—	—
Square	12" X 12"	10-1/4" x 10-1/4"	7" x 7"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
11'3" x 1" x .035"	Variable 52 to 394 FPM	2 HP	220v/3PH, 440v/3PH, 220v/1PH	39" x 75"	1,555 lbs.

ProDM-Plus Miter Series

CALIPSO

- Positive Hydraulic Cutting Pressure with Manual Saw Vise
- Up to 60-degree miter to the right and 45-degree miter to the left
- 9-1/2" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed
- Removable vise allows for easy fixturing of special cuts

Cutting Capacity	0 Degree	45 Degree/Right	60 Degree/Right	45 Degree/Left
Round	9-1/2"	6-7/8"	4-1/3"	6"
Rectangle A	8" x 12-1/4"	6-5/8" x 6-5/8"	5-1/2" x 4"	5" x 5-5/8"
Rectangle B	9-1/2" x 10-5/8"	9-3/8" x 6"	—	9-3/8" x 2-1/2"
Square	9-1/2" x 9-1/2"	6-5/8" x 6-5/8"	4"x 4"	5-1/3" x 5-1/3"

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
8'10" x 1" x .035"	Variable 52 to 394 FPM	2 HP	220v/3PH, 440v/3PH	35" x 59"	1,080 lbs.

OMEGA

- True Semi-Automatic Operation with hydraulic saw head and clamping
- Up to 60-degree miter to the right and 45-degree miter to the left
- 9-1/2" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed
- Removable vise allows for easy fixturing of special cuts

Cutting Capacity	0 Degree	45 Degree/ Right	60 Degree/ Right	45 Degree/ Left	Bundle
Round	9-1/2"	6-7/8"	4-1/3"	6"	—
Rectangle A	8" x 12-1/4"	6-5/8" x 6-5/8"	5-1/2" x 4"	5" x 5-5/8"	4-3/4" x 11"
Rectangle B	9-1/2" x 10-5/8"	9-3/8" x 6"	—	9-3/8" x 2-1/2"	—
Square	9-1/2" x 9-1/2"	6-5/8" x 6-5/8"	4" x 4"	5-1/3" x 5-1/3"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
8'10" x 1" x .035"	Variable 52 to 394 FPM	2 HP	220v/3PH, 440v/3PH, 220v/1PH	35" x 59"	1,080 lbs.

ProDM-Plus Miter Series

SATURN

- True Semi-Automatic Operation with hydraulic saw head and clamping
- Up to 60-degree miter to the right and 45-degree miter to the left
- 12" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed
- Vise positions on precision linear guideways
- Removable vise allows for easy fixturing of special cuts
- Vise positions on precision linear guideways
- Removeable vise allows for easy fixturing of special cuts

Cutting Capacity	0 Degree	45 Degree/ Right	60 Degree/ Right	45 Degree/ Left	Bundle
Round	12"	10-1/4"	6-3/4"	11"	—
Rectangle A	12" x 14-3/4"	6" x 10-1/4"	6-1/4" x 6-3/4"	6" x 10-1/4"	6" x 12"
Rectangle B	—	12" x 8-2/3"	10-1/2" x 6"	12" x 9-3/4"	—
Square	12" x 12"	9-1/2" x 9-1/2"	6-1/4" X 6-1/4"	10" x 10"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
11'3" x 1" x .035"	Variable 52 to 394 FPM	2 HP	220v/3PH, 440v/3PH, 220v/1PH	38" x 63"	2,180 lbs.

Pro Pegasus Miter Series

1-1/4" width saw blade

- True Semi-Automatic Operation with hydraulic saw head and clamping
- 1-1/4" Width Saw Blade
- 13" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed
- Up to 60-degree miter

PEGASUS

- 20” Width Cutting Capacity

Cutting Capacity	0 Degree	45 Degree	60 Degree	Bundle
Round	13"	13"	9-1/2"	—
Rectangle A	13" x 20"	10" x 14-1/2"	6-1/4" x 9"	8" x 19"
Square	13" x 13"	13" x 13"	6-1/4" x 6-1/4"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
13'6" x 1-1/4" x .042"	Variable 52 to 394 FPM	4 HP	220v/3PH, 440v/3PH, 220v/1PH	52" x 90"	1,870 lbs.

PEGASUS XL

- 25-1/2" Width Cutting Capacity

Cutting Capacity	0 Degree	45 Degree	60 Degree	Bundle
Round	13"	13"	9-1/2"	—
Rectangle A	13" x 25-1/2"	13" x 18"	6-1/4" x 12-1/2"	8" x 19"
Square	13" x 13"	13" x 13"	6-1/4" x 6-1/4"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
14'8" x 1-1/4" x .042"	Variable 52 to 394 FPM	4 HP	220v/3PH, 440v/3PH, 220v/1PH	41" x 85"	2,024 lbs.

Pro Pegasus Miter Series

1-1/4" width saw blade

- True Semi-Automatic Operation with hydraulic saw head and clamping
- 1-1/4" Width Saw Blade
- 13" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed

PEGASUS DS

- Up to 60-degree miter to the right and left

Cutting Capacity	0 Degree	45 Degree/Right	60 Degree/Right	45 Degree/Left	60 Degree/Left	Bundle
Round	13"	13"	8-3/4"	13"	7"	—
Rectangle A	13" x 20"	10" x 14-1/2"	5" x 9"	12-1/2" x 10-5/8"	7 x 6"	8" x 19"
Square	13" x 13"	13" x 13"	8-3/4" x 8-3/4"	10-5/8" x 10-5/8"	6-1/4" x 6-1/4"	—

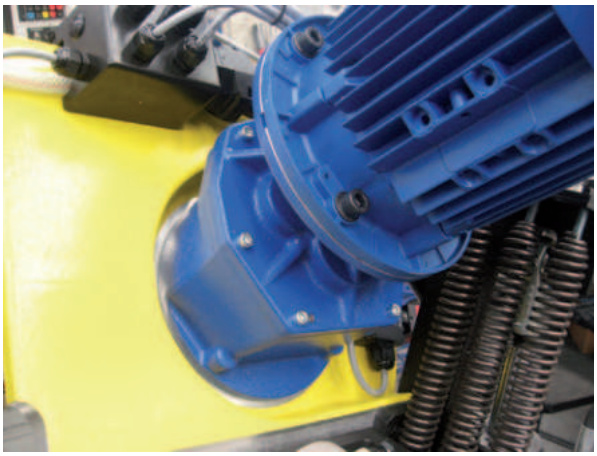
Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
14'8" x 1-1/4" x .042"	Variable 52 to 394 FPM	4 HP	220v/3PH, 440v/3PH	55" x 90"	2,420 lbs.

Semi-Automatic Series

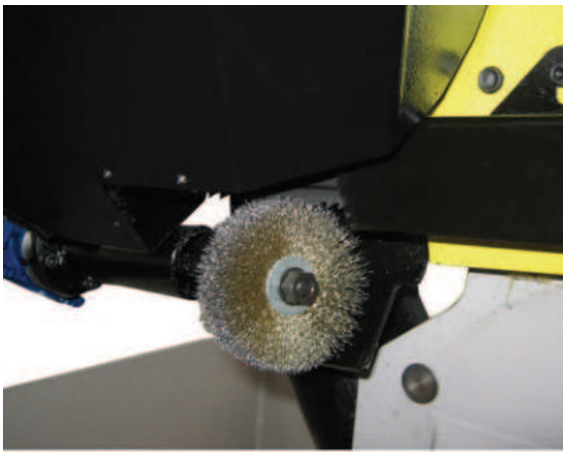
STANDARD FEATURES

FMB Semi-Automatic Band Saws combine the advantages of a circular cold saw with the speed of an abrasive saw and the capacity of a traditional band saw. Cutting accuracy and squareness, large capacity and pivoting sawhead make this ideal for a wide range of iron, steel fabrication and machine shops.

- Heavy Cast Saw Head
- Precision Saw Blade Guide System
- Quick Release Hydraulic Clamp
- Heavy-Duty Cast Clamp
- Machined Horizontal Guide Arm
- Positive Hydraulic Cutting Pressure
- Auto Return After The Cutting Cycle



True direct drive motor/gear box. Helical gear box with gears in carburized hardened alloy steel.



The blade cleaning motorized brush is easy to adjust.

Material clamping vice for rapid material lock/unlock.

Electronic control panel for machine control. Includes inverter controlled blade speed and part counter.

ADDITIONAL OPTIONS

VAT - Display for cutting angle viewing

LX - Laser lighting for cutting line

DOTM - Vertical bundle clamp

RMP1 - Vise pressure regulator

NB1 - Mist sprayer for blade lubrication

For additional information please call 800-323-7503 or visit www.patmooneysaws.com

ZEUS

- CN Controlled Fully Automatic Operation
- Straight Cuts Only
- Hydraulic Spilt Front Vise – 2" Minimum Remnant
- 10-1/4" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed
- Easy-to-Use Control Panel for Job Setup
- Store up to 99 cut jobs

Cutting Capacity	0 Degree	Bundle
Round	10-1/4"	—
Rectangle A	10-1/4" x 10-5/8"	4-1/3" x 10-5/8"
Square	10-1/4" x 10-1/4"	—

Blade Size	Blade Speed	Saw Motor Power	Shuttle Stroke	Voltages Available	Foot Print	Weight
10'10" x 1" x .035"	Variable 52 to 394 FPM	2 HP	19.68"	220v/3PH, 440v/3PH	91" x 75"	2,420 lbs.

JUPITER

- CN Controlled Fully Automatic Operation
- Up to 60-degree miter
- 10-1/4" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed
- Easy-to-Use Control Panel for Job Setup
- Store up to 99 cut jobs

Cutting Capacity	0 Degree	45 Degree	60 Degree	Bundle
Round	10-1/4"	10-1/4"	7"	—
Rectangle A	10-1/4" x 12-1/4"	4-3/4" x 11-1/2"	3-1/2" x 7-1/2"	4-3/4" x 11"
Square	10-1/4" x 10-1/4"	10-1/4" x 10-1/4"	7" x 7"	—

Blade Size	Blade Speed	Saw Motor Power	Shuttle Stroke	Voltages Available	Foot Print	Weight
10'10" x 1" x .035"	Variable 52 to 394 FPM	2 HP	19 .68"	220v/3PH, 440v/3PH	91" x 75"	2,530 lbs.

Pro Pegasus Miter Series

1-1/4" width saw blade

PEGASUS CNC

- CNC Controlled Fully Automatic Operation
- Automatic Mitering – Up to 60-degrees in automatic cycle
- Scrap Optimization Software
- 1-1/4" Width Saw Blade
- 13" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed
- Easy-to-Use Touchscreen Control for job setup
- Store up to 99 cut jobs

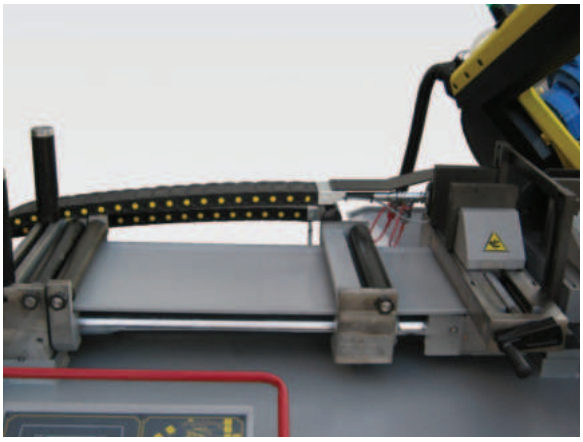
Cutting Capacity	0 Degree	45 Degree	60 Degree	Bundle
Round	13"	12-1/2"	9"	—
Rectangle	13" x 20"	10-1/4" x 13-1/2"	6-1/4" x 9"	8" x 16-1/8"
Square	13" x 13"	10-1/4" x 10-1/4"	6-1/4" x 6-1/4"	—

Blade Size	Blade Speed	Saw Motor Power	Shuttle Stroke	Voltages Available	Foot Print	Weight
13'6" x 1-1/4" x .042"	Variable 52 to 394 FPM	4 HP	39.37"	220v/3PH, 440v/3PH	181" x 95"	4,775 lbs.

STANDARD FEATURES

FMB Fully Automatic Band Saws offer production, accuracy, ease of set up and versatility in a compact package. The CN and CNC controls allow the operator to simply enter the cut length and number of cuts required, and then press the start button. The CN and CNC controls can store 99 cutting jobs and also offers scrap minimization. All automatic machines offer full hydraulic operation.

- Heavy Cast Saw Head
- Precision Saw Blade Guide System
- Heavy-Duty Cast Clamp
- Machined Horizontal Guide Arm
- Fully Hydraulic Operation
- CN or CNC Controls



CN-controlled gripper vise

Motorized brush

Pegasus CNC control panel

Control panel for Jupiter/Zeus

ADDITIONAL OPTIONS

DOTM - Vertical device for bundle cutting

RPM1 - Vice pressure adjustment

NB1 / NB2 - Mist sprayer for blade lubrication

For additional information please call 800-323-7503 or visit www.patmooneysaws.com

Structural Series

OLIMPUS

- Semi-Automatic Operation with hydraulic saw head and clamping
- 1-1/2" Width Saw Blade
- 10-degree cant saw head
- 20" Round Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed

OLIMPUS 1

- Straight Cuts Only

Cutting Capacity	0 Degree	Bundle
Round	20"	—
Rectangle A	17-3/4" x 29-1/2"	17" x 26-1/2"
Square	18" x 18"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
17'11" x 1-1/2" x .050"	Variable to 52 to 394 FPM	5.5 HP	220v/3PH, 440v/3PH	114" x 59"	4,665 lbs.

OLIMPUS 2

- Up to 45-degree miter to the right

Cutting Capacity	0 Degree	45 Degree	Bundle
Round	20"	17-3/8"	—
Rectangle A	17-3/4" x 29-1/2"	17" x 17-3/4"	17" x 26-1/2"
Square	18" x 18"	17" x 17"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
17'11" x 1-1/2" x .050"	Variable 52 to 394 FPM	5.5 HP	220v/3PH, 440v/3PH	114" x 66"	5,720 lbs.

OLIMPUS XL

- Semi-Automatic Operation with hydraulic saw head and clamping
- 1-1/2" Width Saw Blade
- 10-degree cant saw head
- 20" Round Cutting Capacity
- 40-1/2" Wide Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed
- Hydraulic Blade Tensioning

OLIMPUS 1 XL

- Straight Cuts Only

Cutting Capacity	0 Degree	Bundle
Round	20"	—
Rectangle A	17-3/4" x 40-1/2"	17" x 37"
Rectangle B	18" x 23-5/8"	—
Square	18" x 18"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
19'10" x 1-1/2" x .050"	Variable 52 to 394 FPM	5.5 HP	220v/3PH, 440v/3PH	114" x 66"	4,950 lbs.

OLIMPUS 2 XL

- Up to 45-degree miter to the right
- Powered Saw Head Positioning

Cutting Capacity	0 Degree	45 Degree/Right	Bundle
Round	20"	17-3/8"	—
Rectangle A	17-3/4" x 40-1/2"	17-3/4" x 17"	17" x 37"
Rectangle B	18" x 23-5/8"	—	—
Square	18" x 18"	17" x 17"	—

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
19'10" x 1-1/2" x .050"	Variable 52 to 394 FPM	5.5 HP	220v/3PH, 440v/3PH	114" x 66"	6,050 lbs.

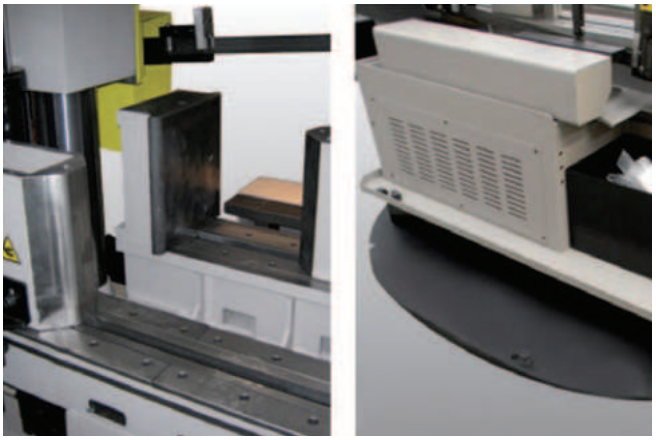
Structural Series

STANDARD FEATURES

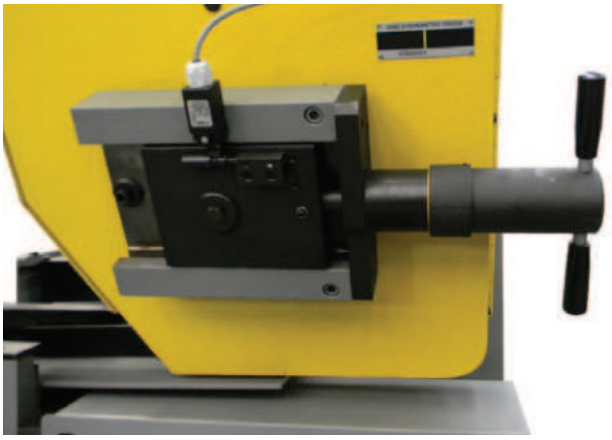
FMB Structural Series Saws are designed to handle large capacity sawing. The sawhead travels on two massive columns while the saw blade travels at a 10 degree cant for faster sawing. Easy to use and operate, the Olimpus can be combined with material handling for maximum productivity.

- Dual Column Design
- Heavy Cast Saw Head
- Precision Saw Blade Guide System
- Heavy-Duty Cast Clamp
- Machined Guide Arm
- Fully Hydraulic Operation

Control panel



Rotation base for Olympus 2, 3, and 2XL



Blade tensioning

Motorized brush

ADDITIONAL OPTIONS

30T1 - Hydraulic band tension

30LX - Laser light to display cut line

30TP - Top hydraulic clamp

30RTR - Lifting roller to assist moving material to cut line

30RRTR - Same as RTR with reduction gear box

For additional information please call 800-323-7503 or visit www.patmooneysaws.com

PLUTON AIR

- Semi-Automatic Operation with hydraulic saw head and Pneumatic Clamping
- Straight Cuts Only
- 1-1/4" Width Saw Blade
- 4-degree cant saw head
- 10" x 49" Cutting Capacity
- Inverter Controlled Infinitely Variable Blade Speed

Cutting Capacity	0 Degree
Rectangle	10" x 49"

Blade Size	Blade Speed	Saw Motor Power	Voltages Available	Foot Print	Weight
18'4-1/2" x 1-1/4" x .042"	Variable 131 to 525 FPM	4 HP	220v/3PH, 440v/3PH	110" x 59"	3,080 lbs.

ADDITIONAL OPTIONS

30LX - Laser light to display cut line

30 PRI - Pneumatic roller to assist in positioning of material

Vertical Tilt-Frame Series

SOLAR

- True Semi-Automatic Operation – with hydraulic saw head and clamping
- Up to 60-degree miter to the right and left
- 1-1/4" Width Saw Blade
- 4.5-degree cant saw head
- Saw Head Rotation is driven with a hydraulic cylinder
- 18" x 22" Cutting Capacity
- Touchscreen Control with display of cutting angle and feed rate
- Inverter Controlled Infinitely Variable Blade Speed

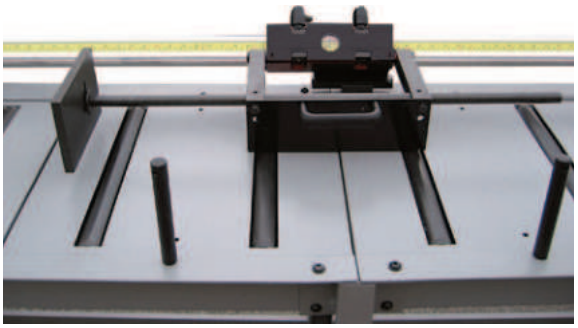
CUTTING CAPACITY			
	Round	Square	Rectangle (w x h)
0 degree	18"	18" x 18"	18" x 22"
45 degree Right	14"	14" x 14"	18" x 14"
60 Degree Right	8-2/3"	8-2/3" x 8-2/3"	18" x 8-2/3"
45 Degree Left	15"	15" x 15"	18" x 15"
60 Degree Left	10"	10" x 10"	18" x 10"

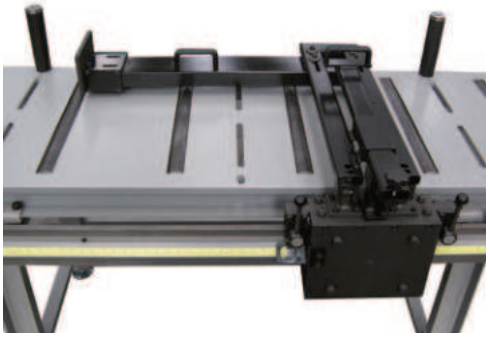
TECHNICAL SPECIFICATIONS					
Blade Size	Blade Speed	Saw Motor Power	Weight	Foot Print (w x d x h)	Working Height
16'-3" x 1-1/4" x .042"	52 to 394 FPM	5.5 HP	3,256 lbs	79" x 106" x 98.5"	42"

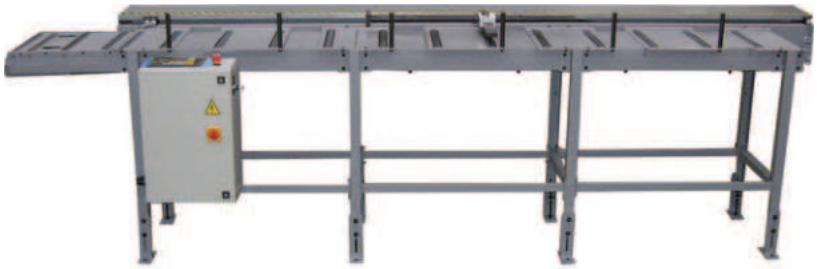
-60 Degrees

+60 Degrees

Roller Tables



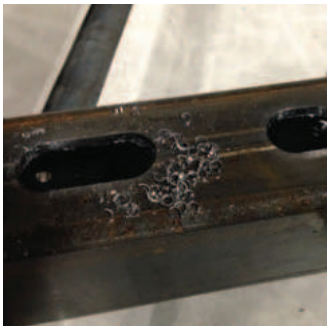


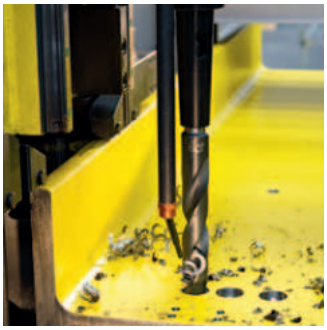


3-Axis CNC Vertical Drilling Center

EXPLORER 1

- 3-Axis CNC Vertical Drilling Center
- Capable of Drilling, Slotting, Milling, and Tapping
- Y-Axis and Z-Axis Positioning is Servo Controlled with a Ball Screw
- X-Axis Positioning is Servo Controlled with FMB's Rotary Automatic Material Indexing System
  - Allows for pieces up to 98ft to be indexed in a single movement
  - Work up to 98ft long pieces from End to End
- 15" Color Touchscreen Control is very Intuitive so Machine Programming is easy and simple
- Material Table – Easy Selection of Part Dimensions
- Tool Table – Create and Save Tools
- Part Measurement System
  - When a part is loaded into the Explorer 1, it uses a laser to find the incoming edge of the part.
  - It then measures the height and width of the loaded piece to confirm the actual part dimensions match the programmed dimensions.
- Mist Lubrication System includes through tool coolant
- Remote/Offline Programming is Available





TECHNICAL SPECIFICATIONS	
Max Incoming Part Length – X-Axis	98ft
Y-Axis Travel	16-1/2"
Z-Axis Travel	25-1/2"
Max Part Width	17-3/4"
Min Part Width	1-1/2"
Max Part Height	11-7/8"
Min Part Height	3/8"
Max Drilling Diameter	1-1/4"
Min Drilling Diameter	1/5"
X-Axis and Y-Axis Positioning Speed	30 ft/min
X-Axis (material Indexing Speed)	18 ft/min
Max Spindle Speed	3,000 RPM
Spindle Power	8.25 HP
Tool Holder	ISO 40

Service and Support

As the official supplier of FMB Saw systems and drilling centers in North America, Pat Mooney Saws has installed over 5000 machines in North America and we continue to grow each year. Pat Mooney Saws and FMB partner to offer a full range of support to all their users including:

- Installation and operator training
- Technical support and service via telephone, and on-site service by trained qualified service personnel
- New blades for special applications
- Large inventory of spare parts and saw blades
- Continuing education for saw operators and maintenance staff
- Preventative maintenance programs
- Saw machining demo room for test cutting and customer training

PAT MOONEY SAWS HELPS COMPANIES MAXIMIZE SAWING PERFORMANCE THROUGH INNOVATION, APPLICATION INSIGHT, AND DEDICATED TECHNICAL SUPPORT.

OUR 60,000 SQUARE FOOT HEADQUARTERS IN ADDISON, ILLINOIS

- Sales office
- Machine showroom
- Technical support and training facility
- Warehouse for machines, blades and spare parts
- Fabrication and assembly shop for material handling equipment

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