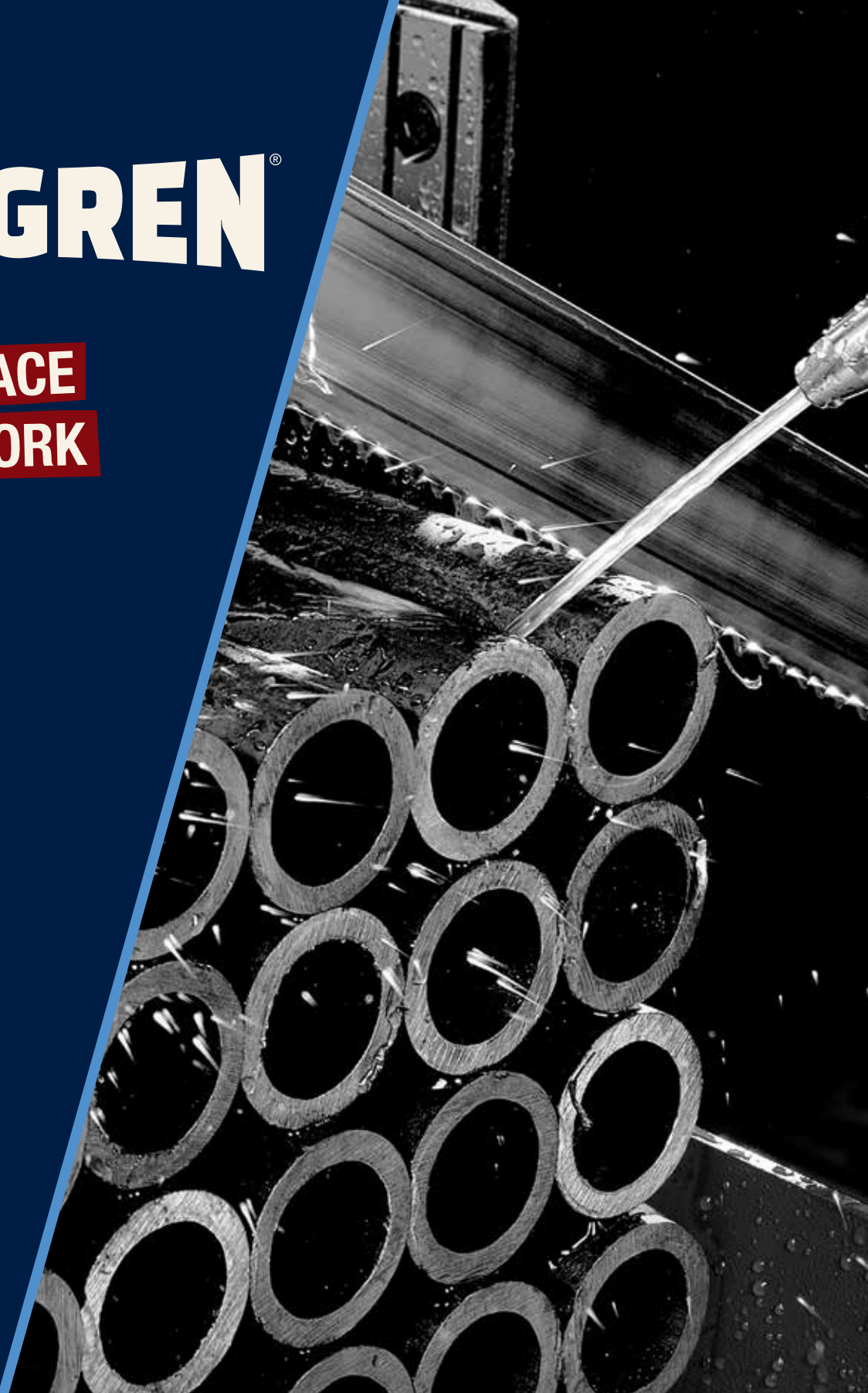


PALMGREN[®]

**EMBRACE
THE WORK**



SAWING CATALOG

PALMGREN... SAWS THAT DELIVER SUPERIOR PERFORMANCE WITH SERIOUS RESULTS

Our affordable, industrial, metal cutting, sawing machines combine maximum performance and versatility with guaranteed accuracy. Let us help you become more successful by putting our high-quality products behind your sawing operations. We can help you become more profitable by offering the right combination of sawing machines, technical support, and service.

Palmgren saws have built-in design advantages to deliver faster cutting times for increased productivity, lower costs per cut, and are available in a range of different types, sizes, and capabilities. These include horizontal, miter, dual-post, vertical contour band saws, as well as a full range of circular cold saws.

Quality and performance are important, but guaranteed customer satisfaction is our goal. We are here to help match the right saw to your specific need, train your operators, or provide any other service required to maximize your investment.

PALMGREN[®]

PALMGREN
3 YEAR
WARRANTY

**INDUSTRY LEADING
WARRANTY AND SERVICE**

Our 3-year warranty on all sawing machines is the most generous warranty in the industry. We have complete confidence in our products. The length of our warranty is a reflection of our faith in their quality. Naturally, this is manufacturing, stuff happens. Regardless, we hold one constant: if issues should arise, we will be there to make it right with over 25,000 parts in stock and a nationwide service and support network of machine tool repair companies.

**EMBRACE
THE WORK**

At Palmgren we build tools for those who choose to work.

Tools that were made to be used, that flex endless muscle, take a beating, and ask for more.

Tools that will stand by you on your daily grind.

Tools that help you Embrace your Work.

PALMGREN®

SELECTION AND PERFORMANCE OF SAWING MACHINES

Machines designed for sawing are available in many different types, sizes, and capabilities. Palmgren offers an extensive selection of saws to meet all your sawing needs with manual, semi-automatic, fully automatic, and CNC models to choose from.

Saw design and construction hold the key to maximum production efficiency, reliability, ease of adjustment, and best return on investment. Selecting the best cutting technology requires careful assessment of these metal cutting resources.

TO OPTIMIZE CUTTING PERFORMANCE, FOLLOW THESE STEPS TO SELECT THE RIGHT SAWING MACHINE TO FIT YOUR APPLICATION.

Step 1

LIST ALL THE TYPES OF MATERIALS TO BE CUT

Step 2

LIST ALL THE MATERIAL SIZES AND SHAPES

Step 3

LIST THE TYPE OF CUTTING REQUIRED

- Straight
- Angle/Miter
- Contour
- Single workpiece
- Stacking or bundling of workpieces

Step 4

DETERMINE CUTTING OBJECTIVES

- Increased productivity
- Improved accuracy
- Improved finish

Step 5

DETERMINE FREQUENCY OF USE

- Intermittent use
- Light production:
less than 25% of the workday
- Medium production:
25% to 75% of the workday
- Heavy production:
more than 75% of the workday

Step 6

DETERMINE PRODUCTION EFFICIENCY REQUIRED

- Standard manual or semi-automatic saws
- Production fully automatic or CNC saws

Step 7

DETERMINE THE TYPE OF SAW THAT BEST FITS YOUR REQUIREMENTS

- Horizontal
- Dual Column
- Mitering band saw
- Circular cold saw

SAWING CAPACITIES

	Item #	Degree	Solid Round	Solid Rectangle	Mitering Method
HORIZONTAL BAND SAWS	9684484	90°	18"	17-1/4" x 32-1/4"	Head
		45° Right	18"	16-1/2" x 21-1/2"	
		60° Left	13-3/4"	11" x 18"	
	9683346 9683348	90°	11-7/8"	11" x 11"	Head
		45° Right	7"	6-1/4" x 6-1/4"	
		60° Left	5-1/2"	5-1/2" x 5-1/2"	
	9683345 9683347	90°	10-1/4"	9-7/8" x 9-7/8"	Head
		45° Right	8-7/8"	8-1/4" x 8-1/4"	
		60° Left	5-1/8"	5-1/8" x 5-1/8"	
	9683342	90°	8-5/8"	8-1/2" x 8-1/2"	Head
		45° Right	6-1/4"	6" x 6"	
		60° Right	4"	3-3/8" x 3-3/8"	
	9683316	90°	13"	13" x 20"	Head
		45° Left	10"	10" x 10"	
	9683315 9683317	90°	10"	10" x 18"	Head
		45° Left	8"	8" x 8"	
	9683298	90°	12"	12" x 20"	Vise
	9683299	45° Right	12"	12" x 15"	
	9683294	90°	10"	10" x 16"	Vise
	9683295	45° Right	10"	10" x 12"	
	9683293	90°	9"	9" x 16"	Vise
45° Right		9"	9" x 12"		
9683308	90°	8"	6-1/2" x 11"	Vise	
	45° Right	4-3/4"	7-7/8" x 4-3/4"		
9683311	90°	7"	7" x 11-3/4"		

	Item #	Cutting Capacity	Throat Depth
VERTICAL BAND SAWS	9683115	10"	15"
	9683118	12"	18"
	9683116	10"	15"
	9683119	10-3/4"	18"
	9683120	12-1/2"	20"
	9683121	12-1/2"	20"
	9683122	12-1/2"	24"
	9683123	12-1/2"	24"

	Item #	Degree	Solid Round	Solid Square
COLD SAWS	9683336	90°	2-1/2"	2-3/4"
		45° Right	2-1/4"	2-1/4"
	9683337	90°	4-1/4"	4"
		45° Left	3-1/8"	3-1/8"
		45° Right	3-1/8"	3-1/8"
	9683338 9683341	90°	4-3/4"	4"
		45° Left	4-3/4"	3-1/2"
		60° Right	3-1/2"	3-1/2"
	9683339	90°	5-1/8"	4-3/4"
		45° Left	5-1/8"	4-3/4"
		45° Right	5-1/8"	4-3/4"
	9683340	90°	5-1/8"	4-3/4"
		45° Left	5-1/8"	4-3/4"
		45° Right	5-1/8"	4-3/4"
	9684482	90°	3"	3" x 3"
9684483	90°	4"	4" x 4"	

Band saws are available in many different types, sizes and capabilities. These include horizontal, miter and vertical band saws. Saw design and construction hold the key to production efficiency, reliability, ease of adjustment and maximum return on investment. Selecting the right band saw to meet your specific requirements requires careful assessment of the following performance objectives. The chart below is a helpful tool to assist you in identifying the model of band saw that best fits your specific application.

- A saw is most effective in cutting solid materials from 1/3 to 1/2 of the rated size capacity and for cutting tubing and profiles from 1/2 to 2/3 of the rated size capacity.
- For medium to heavy production applications you should always go with a heavier saw, with a wider band saw blade and more horsepower to provide greater performance and reliability.

TYPE OF BAND SAW				MATERIAL TO BE CUT				
Horizontal	Miter	Cold/Circular	Vertical	Ferrous Metals	Non-Ferrous Metals	Composites	Plastics	Wood
9683311	7" x 12 Horizontal Band Saw			•	•	•	•	
9683308	8" X 12" Horizontal Direct Drive Band Saw			•	•	•	•	
9683293	9" X 16" Horizontal Band Saw			•	•	•	•	
9683342	9" x 10" Horizontal Band Saw			•	•			
9683345/9683347	10" x 13" Dual Mitering Horizontal Band Saws			•	•			
9683315/9683317	10" x 16" High Performance Mitering Band Saws			•	•			
9683294/9683295	10" x 16" Horizontal Band Saws			•	•			
9683346/9683348	12" x 16" Dual Mitering Horizontal Band Saws			•	•			
9683298/9683299	12" x 20" Semi-Automatic Horizontal Band Saws			•	•			
9683316	13" x 20" High Performance Semi-Automatic Mitering Band Saw			•	•			
9684484	18" Semi-Automatic Dual Mitering Horizontal Band Saw			•	•			
9684480	10" Semi-Automatic Dual Post Band Saw			•	•			
9684481	10" Fully Automatic Dual Post Band Saw			•	•	•	•	
9684487	12" Fully Automatic Dual Post Band Saw			•	•	•	•	
9684488	14" Fully Automatic Dual Post Band Saw			•	•			
9684489	18" Fully Automatic Dual Post Band Saw			•	•			
9683115	15" Metal/Wood Vertical Band Saw		•	•	•	•	•	•
9683118	18" Metal/Wood Vertical Band Saw		•	•	•	•	•	•
9683116	15" Vertical Toolroom Saw		•	•	•	•	•	
9683119	18" Vertical Toolroom Saw		•	•	•	•	•	
9683120/9683121	20" Vertical Toolroom Saws		•	•	•	•	•	
9683122/9683123	24" Vertical Toolroom Saws		•	•	•	•	•	
9683126	22" Vertical Wood Cutting Band Saw		•			•	•	•
9683125	14" Vertical Wood Cutting Band Saw		•			•	•	•
9683127	10" Vertical Wood Cutting Band Saw		•			•	•	•
9683336	9" Bench Top Cold Saw	•		•	•			
9683337	14" Pivot Cold Saw	•		•	•			
9683338	14.5" Column Cold Saw	•		•	•			
9683339	14.5" Fully Automatic Cold Saw	•		•	•			
9683340	14.5" Fully Automatic Cold Saw With Automatic Mitering	•		•	•			
9684482	3" High Speed Circular Saw	•		•	•			
9684483	4" High Speed Circular Saw	•		•	•			

RIGHT BAND SAW



TYPE OF CUTTING									COOLANT			CUTTING OBJECTIVES				FREQUENCY OF USE			
Straight	Angle/Miter	Cutting-Off	Pattern/Cutting Out/Notching	Contour	Ripping	Single Piece	Stacking	Portability	Flood	Dry	Air	Improved Accuracy	Improved Finish	Increased Productivity	Increased Efficiency	Intermittent Use	Light Production (Less Than 25% Of Work Day)	Medium Production (25% To 70% Of Work Day)	Heavy Production (More Than 70% Of Work Day)
•	•	•				•		•	•					•	•	•	•		
•		•				•		•	•					•	•	•	•		
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FULLY AUTOMATIC HORIZONTAL DUAL POST BAND SAWS

STANDARD FEATURES:

- Heavy duty cast iron and steel construction provides superior stiffness and vibration dampening
- Advanced powertrain utilizes a precision gearbox with bronze worm gear and hardened and ground worm shaft, taper roller bearings operating in an oil bath delivering smooth, quiet positive SFPM to the blade
- Cast iron idler and drive wheels
- Fully automatic on demand hydraulic controls for the saw head, shuttle vise and split-jaw clamping vise
- Three point clamping vise
- Shuttle vise has a two-sided hydraulic system that allows it to clamp and feed irregular pieces without binding
- Adjustable clamping pressure
- Approach sensor reduces operation cycle time by allowing the saw head to approach the workpiece rapidly then slow to the chosen cutting rate just before the blade touches the workpiece
- Hydraulic blade tension control provides for faster blade changes and ensures proper blade tension
- Automatic shut off safety system that senses a broken or loose blade stopping the machine
- Roller table with vertical & horizontal rollers that facilitates the holding and support of longer material allowing it to glide smoothly during the workpiece feeding process
- Latest technology electronic variable speed inverter control provides a broad range of blade speeds designed to fit any sawing application
- Control panel with monochrome touch screen is easy to program and operate and is conveniently located for easy accessibility and operator safety.
- Auto shut off at end of material or after preset number of cuts
- Safety electrical panel with main disconnect, overload protection and low voltage at the switches
- Flood coolant system with the coolant fed through the blade guides to maximize cooling and cleaning of chips from the blade
- Blade brush to aid in the removal of chips from the blade
- Adjustable ball bearing and tungsten carbide blade guides provide maximum support of the blade and ensure square accurate cuts
- Chip conveyor automatically starts during the cutting cycle to efficiently remove and separate the chips from the coolant for convenient clean up and maintenance
- Halogen work light

Item #	9684481	9684487	9684488	9684489
Cutting Capacity Rectangle	10" x 14"	12" x 14"	14" x 16"	18" x 20"
Cutting Capacity Round	10"	12"	14"	18"
Blade Length	153-1/2"	154-21/64"	180"	214-1/2"
Blade Width	1-1/4"	1-5/16"	1-5/16"	1-9/16"
Blade Thickness	0.043"	0.043"	0.043"	0.051"
Blade Speed	100-350 SFPM	98-279 SFPM	98-279 SFPM	98-279 SFPM
Main Motor	3 HP	5HP	5HP	7.5HP
Voltage	230V	230V	230V	230V
Phase	3 PH	3 PH	3 PH	3 PH
Hydraulic Motor	1HP	1HP	1HP	2HP
Coolant Motor	1/8HP	1/6HP	1/6HP	1/4HP
Hydraulic Tank	10 Gallons	10 Gallons	11 Gallons	16 Gallons
Coolant Tank	22 Gallons	22 Gallons	22 Gallons	28 Gallons
Allowable Loading Capacity	2,420 lbs.	3,305 lbs.	4,400 lbs.	7,200 lbs.
Roller Stand Loading Capacity	3,968 lbs.	4,409 lbs.	3,600 lbs.	4,000 lbs.
Bundle Cutting (W x H)	5-1/2" x 8"	6" - 9"	7"-11"	8"-12"
Cutting Amount Setting	1-9999	1-9999	1-9999	1-9999
Feeding Stroke	14"	16"	16"	20"
Minimum Material	1-1/4"	1-1/4"	1-1/4"	4-3/4"
Table Height	31"	29-1/2"	29-3/4"	34-1/2"
Dimensions (L x W x H)	79" x 75" x 67"	87" x 83" x 67"	93" x 88" x 78"	111" x 90" x 88"
Weight	3,080 lbs.	3,890 lbs.	4,411 lbs.	6,666 lbs.



OPTIONAL ACCESSORIES:

[Item # 9684491](#) - Hydraulic bundling attachment for efficient clamping of equally sized workpiece

[Replacement Blade for Item #9684481](#)

[Item # 9683369](#) -

Bi-Metal, 1-1/4" x 0.035" x 153-1/2", 4-6 TPI

[Replacement Blade for Item #9684487](#)

[Item # 9683324](#) - Bi-Metal, 1-1/4" x 0.035" x 154-1/2", 4-6 TPI

10" SEMI-AUTOMATIC DUAL POST BAND SAW

Palmgren's semi-automatic dual post band saw exceeds the standard requirements that operators look for in a band saw machine. This heavy duty band saw with its superior features is built to handle a wide variety of work offering precision, efficiency in operation, lower cost per cut and durability in demanding production or job shop environments.

STANDARD FEATURES:

- Heavy duty cast iron and steel construction with dual columns provides superior stiffness and vibration dampening
- Advanced powertrain utilizes a precision gearbox with bronze worm gear and hardened ground worm shaft, taper roller bearings operating in an oil bath delivering smooth, positive SFPM to the blade
- Hydraulic feed compensator adjusts the feed for constant cutting force on the blade throughout the cut to prevent any overload allowing the blade to cut with maximum efficiency
- Precision blade guides incorporate both ball bearing and carbide for maximum support and accurate, square cuts
- Variable speed drive provides a broad range of speeds designed to fit any sawing application
- Cast iron idler and drive blade wheels
- Conveniently located controls for easy accessibility
- Chip brush eliminates chips from blade for longer blade life
- Flood coolant system with coolant fed through the blade guides to maximize cooling and cleaning of chips from the blade
- A rapid acting vise for quick clamping which also allows for cutting at 45 degree angles

OPTIONAL ACCESSORIES

Item # 9683368 - Replacement Blade
Bi-Metal, 1-1/4" x 0.035" x 148-1/2", 4-6 TPI

Item # 9684480

Cutting Capacity Rectangle	10" x 14"
Cutting Capacity Round	10"
Blade Length	148-1/2"
Blade Width	1-1/4"
Blade Thickness	0.043"
Blade Speed	100-350 SFPM
Main Motor	3HP
Voltage	230V
Phase	3 PH
Hydraulic Motor	1/2HP
Coolant Motor	1/8HP
Hydraulic Tank	8 Gallons
Coolant Tank	11 Gallons
Allowable Loading Capacity	660 lbs.
Cut Off Length	4.1"
Minimum Material	3-3/4"
Table Height	29"
Dimensions (L x W x H)	79" x 42" x 69"
Weight	1,411 lbs.



STRUCTURAL DUAL COLUMN SEMI-AUTOMATIC BAND SAW

Palmgren's high production, horizontal, semi-automatic, large capacity, dual column band saw is capable of cutting 18" round materials. A dual direction swivel can miter cut up to 45 degrees to the right and 60 degrees to the left. This band saw is ideal for production sawing of structural solids, tubing, stainless, and tool steels. The ideal saw for fabricators cutting multiple angles in the same work piece.

STANDARD FEATURES:

- Touch display control panel for easy positioning and operation
- Hydraulic blade tensioning
- 1-9/16" blade with motor driven blade brush
- Saw blade is set at 7 degree angle allowing for more efficient cutting
- Electronic inverter variable speed
- Hydraulic adjustable carbide blade guides
- Blade guard arm has automatic adjustment for proper positioning
- Material sensor and switch controls rapid advance to workpiece limiting excess movement of the saw head
- Miter angle of the saw head is set on the control screen and the saw head automatically moves to programmed angle via servo motor with hydraulic brake for fast accurate positioning
- Vise pressure regulator to handle various types and shapes of materials

Item # 9684484

Round 0°	18"
Round 45°	18"
Round 60°	13-3/4"
Rectangle 0°	17-1/4" x 32-1/4"
Rectangle 45°	16-1/2" x 21-1/2"
Rectangle 60°	18" x 11"
Blade Length	243-1/2"
Blade Width	1-9/16"
Blade Thickness	0.051"
Blade Speed	82-282 FPM
Main Motor	5HP
Voltage	230V
Phase	3 PH
Hydraulic Motor	2HP
Coolant Motor	1/6HP
Hydraulic Tank	9 Gallons
Coolant Tank	37 Gallons
Table Height	30"
Dimensions (L x W x H)	142" x 66.5" x 85"
Weight	4,620 lbs.



13" X 20" SEMI-AUTOMATIC MITERING HIGH PERFORMANCE HORIZONTAL BAND SAW

For easy fast cutting performance Palmgren's 13" x 20" semi-automatic band saw offers the best cost per cut solution. Ideal for multiple jobs with low volume production requirements. The massive saw head design with extra-large cast iron wheels delivers precise, extremely accurate straight and miter cuts. Cut a wider variety of materials faster, better and safer with Palmgren's high performance semi-automatic band saw.

STANDARD FEATURES:

- Saw head raised hydraulically after the end of each cut
- Mitering saw head for an added level of capabilities
- Swing away control panel relocates saw controls to a single location for greater operator convenience and safety
- 163.5" long saw blade delivers longer blade life with more cuts per blade
- Fine adjustment hydraulic down feed control is easily adjusted matching the proper feed rate to the materials being cut
- Variable speed drive train allow the operator to fine tune the blade speed to match their cutting application
- Adjustable tungsten carbide and precision ball bearing blade guides provide close positioning of the guides to the material being cut for square accurate cuts
- Large adjustable guide arms
- Convenient top load blade changes
- Large hand wheel with blade tensioning guide accurately measures blade tension
- Safety electrical interlocks on the wheel covers
- Automatic shut off safety system that senses broken or loose blade stopping the machine
- Recirculating coolant system with coolant through the blade guides
- Replaceable blade brush
- Rapid acting vise adjustable for miter cuts
- Deluxe work stop
- Blade & pitch selector

Item # 9683316

HP	3HP
Voltage	220V
RPM	1725
Phase	3 PH
Cutting Capacity Square	13" x 13"
Cutting Capacity Round	13"
Cutting Capacity Rectangle	13" x 20"
Cutting Angle	0 to 45°
Blade Length	163.5"
Blade Width	1-1/4"
Blade Thickness	0.035"
Blade Speed	120-275 FPM
Blade Wheel Diameter	17"
Dimensions (H x W x D)	54" x 86" x 32"
Gross Weight	1,400 lbs.



OPTIONAL ACCESSORIES

[Item # 9683367](#) - Replacement Blade

Bi-Metal, 1-1/4" x 0.035" x 163-1/2", 4-6 TPI

10" X 18" MITER HIGH PERFORMANCE HORIZONTAL BAND SAW

Accuracy, reliability and performance characterize the 10" x 18" miter band saw from Palmgren. Its structural integrity not only guarantees these benefits, but provides for years of superior operation. This saw offers massive head design with extra large cast iron wheels making extremely accurate straight or miter cuts. Cut a wider variety of materials faster, better and safer with Palmgren's high performance band saw.

STANDARD FEATURES:

- Mitering saw head for an added level of capabilities
- Adjustable control panel for operation from the front or back of the saw
- 157" long saw blade delivers longer blade life with more cuts per blade
- Fine adjustment hydraulic down feed control is easily adjusted matching the proper feed rate to the materials being cut
- Variable speed drive train allows the operator to fine tune the blade speed to match their cutting application
- Adjustable tungsten carbide and precision ball bearing blade guides provide close positioning of the guides to the material being cut for square accurate cuts
- Large adjustable guide arms
- Convenient top load blade changes
- Large hand wheel for accurate blade tension
- Electrical interlocks on the wheel covers
- Recirculating coolant system with coolant through the blade guide
- Replaceable blade brush
- Rapid acting vise adjustable for miter cuts
- Deluxe work stop
- Blade & pitch selector

Item #	9683315	9683317
HP	2HP	2HP
Voltage	220V	115/230V*
RPM	1725	1725
Phase	3 PH	1 PH
Cutting Capacity Square	10" x 10"	10" x 10"
Cutting Capacity Round	10"	10"
Cutting Capacity Rectangle	10" x 18"	10" x 18"
Cutting Angle	0° to 45°	0° to 45°
Blade Length	157"	157"
Blade Width	1"	1"
Blade Thickness	0.035"	0.035"
Blade Speed	120-275 FPM	120-275 FPM
Blade Wheel Diameter	14"	14"
Dimensions (H x W x D)	48" x 81" x 27"	48" x 81" x 27"
Gross Weight	1,100 lbs.	1,100 lbs.

*Prewired 230V



OPTIONAL ACCESSORIES

Item # 9683363 - Replacement Blade
Bi-Metal, 1" x 0.035" x 157", 5-8 TPI

12" DUAL ZIP-MITERING HORIZONTAL BAND SAWS

Palmgren 12" Dual Mitering Horizontal Band Saws are ideal for short to medium production work. With their dual mitering saw head, these saws make cutting any angle from 0°-60° quick and easy. With the option of manual feed, this saw is the perfect solution for shops that do a considerable amount of utility cutting.

STANDARD FEATURES:

- Adjustable work stop
- Miters 45° to the left and 60° to the right
- Rapid acting vise
- Built in coolant system
- Hydraulic cylinder for controlled descent
- Electro-mechanical blade tensioning system
- Made in Italy



Item #	9683346	9683348
HP	2.2HP	2.2HP
Volts	230V	460V
Phase	3 PH	3 PH
Speed RPM	125-252	125-252
Round Material Max. 0°	12"	12"
Square Max. 0°	11" x 11"	11" x 11"
Round Material Max. 45°	7"	7"
Square Max. 45°	6-1/4" x 6-1/4"	6-1/4" x 6-1/4"
Round Material Max. 60°	5.5"	5.5"
Square Max. 60°	5.5" x 5.5"	5.5" x 5.5"
Cutting Angle Left/Right	45°/60°	45°/60°
Cutting Angle Adjustment	Manual	Manual
Feed	Hydraulic	Hydraulic
Saw Blade Diameter	1" x 0.035" x 126"	1" x 0.035" x 126"
Vise Opening	15.75"	15.75"
Overall Machine Dimensions (L x W x H)	72" x 52" x 79"	72" x 52" x 79"
Machine Weight	1,166 lbs.	1,166 lbs.

OPTIONAL ACCESSORIES

Item # 9683365 - Replacement Blade
Bi-Metal, 1" x 0.035" x 126", 5-8 TPI

10" DUAL ZIP-MITERING HORIZONTAL BAND SAW

STANDARD FEATURES:

- Precision machined cast saw head for maximum rigidity and vibration dampening performance
- Advanced direct drive gear box and motor, maximizes the power of the motor to the blade
- Rapid positioning vise allows for fast set-ups and maximum clamping force on the workpiece
- Adjustable zero clearance blade guides utilizing a combination of ball bearing and tungsten carbide pads provide maximum support and ensure square accurate cuts
- Large handwheel with electro-magnetic micro switch preset to insure proper blade tension. Without proper tension, the saw will not start and if the blade loosens or breaks during operation, the saw will stop
- Fine adjustment hydraulic down feed control is easily adjusted to fine tune the blade speed to the material being cut
- Flood coolant system with the coolant fed through both blade guides to maximize cooling and cleaning of the chips from the blade
- Adjustable work stop for repetitive cuts
- Safety electrical package includes overload & low voltage protection, safety spring loaded switch, emergency stop button and two speed motor switch
- Made in Italy



Item #	9683345	9683347
HP	1.5HP	1.5HP
Volts	230V	460V
Phase	3 PH	3 PH
Speed RPM	125-255	125-255
Round Material Max. 0°	10.25"	10.25"
Square Max. 0°	9-13/16" x 9-13/16"	9-13/16" x 9-13/16"
Round Material Max. 45°	8-7/8"	8-7/8"
Square Max. 45°	8-1/4" x 8-1/4"	8-1/4" x 8-1/4"
Round Material Max. 60°	5-1/8"	5-1/8"
Square Max. 60°	5-1/8" x 5-1/8"	5-1/8" x 5-1/8"
Cutting Angle Left/Right	45°/60°	45°/60°
Cutting Angle Adjustment	Manual	Manual
Feed	Hydraulic	Hydraulic
Saw Blade Diameter	1" x 0.035" x 118"	1" x 0.035" x 118"
Vise Opening	13"	13"
Overall Machine Dimensions (L x W x H)	69.3" x 49.8" x 78.1"	69.3" x 49.8" x 78.1"
Machine Weight	803 lbs.	803 lbs.

OPTIONAL ACCESSORIES

Item # 9683362 - Replacement Blade
Bi-Metal, 1" x 0.035" x 118", 5-8 TPI

9" SINGLE ZIP-MITERING HORIZONTAL BAND SAW

Palmgren's 9" Horizontal Band Saw is head and shoulders above the competition. This machine is designed to make perfect cuts on all ferrous and non-ferrous metal with speed and accuracy. With a choice of manual feed for single and utility cuts, or hydraulic down feed for all your production needs, this saw delivers fast, precise cuts every time.

STANDARD FEATURES:

- High-capacity band control by two-speed motor and special reducer with bronze gear tempered and ground worm screw
- Strong blade guides with tight stress-raiser bearings and adjustable width tips
- Hydraulic cylinder for controlled descent
- Advanced direct drive gear box and motor
- Rapid positioning vise
- Flood coolant system
- Made in Italy

Item # 9683342

HP	1.5HP
Volts	230V
Phase	1 PH
Blade Speed	105-216 SFPM
Round Material Max. 0°	9"
Square Max. 0°	8-1/2" x 8-1/2"
Round Material Max. 45°	6-5/16"
Square Max. 45°	6" x 6"
Round Material Max. 60°	3-15/16"
Square Max. 60°	3-1/4" x 3-1/4"
Cutting Angle Left/Right	0°/60°
Cutting Angle Adjustment	Manual
Feed	Hydraulic
Saw Blade Dimensions	1" x 0.035" x 96"
Vise Opening	10"
Overall Machine Dimensions (L x W x H)	61.8" x 34.5" x 68.7"
Machine Weight	506 lbs.



OPTIONAL ACCESSORIES

Item # 9683361 - Replacement Blade
Bi-Metal, 1" x 0.035" x 96", 5-8 TPI

12" X 20" SEMI-AUTOMATIC HORIZONTAL BAND SAWS

Palmgren's 12" x 20" semi-automatic horizontal band saw is a powerful and productive addition to any shop. Equipped with a semi-automatic cycle which allows the operator to initiate with the push of a button the following: blade start, saw head frame down, saw blade stop and saw head frame up to start position. This completely versatile band saw is a proven time saver, offering optimum sawing performance.



STANDARD FEATURES:

- Saw head raised hydraulically after the end of each cut
- Swing away control panel relocates saw controls to a single location for greater operator convenience and safety
- Hydraulic down feed control is easily adjusted matching the proper feed rate to the materials being cut
- Variable speed drive train allows the operator to fine tune the blade speed to match their cutting application
- Hardened and ground gears operating in an oil bath deliver smooth, positive surface feet per minute to the blade
- Adjustable tungsten carbide and precision ball bearing blade guides provide close positioning of the guides to the material being cut for square accurate cuts
- Cast iron adjustable guide arms
- Rapid acting vise adjustable for miter cuts
- Blade speed & pitch selector
- Convenient top load blade changes
- Large hand wheel with blade tensioning guide accurately measures blade tension
- Replaceable blade brush
- Coolant system delivered through both blade guides

OPTIONAL ACCESSORIES

Item # 9683366 - Replacement Blade
Bi-Metal, 1" x 0.035" x 156", 5-8 TPI

Item #	9683298	9683299
HP	3HP	3HP
Voltage	230V	460V
Amps	8.6	4.3
Phase	3 PH	3 PH
RPM	1720	1720
Drive	Variable	Variable
Blade Speed	85-370	85-370
Cut Capacity (W x H)	12" x 20"	12" x 20"
Round @ 90 Degrees	12"	12"
Round @ 45 Degrees	12"	12"
Rectangle @ 90 Degrees	12"-18.5" x 9"	12"-18.5" x 9"
Rectangle @ 45 Degrees	12" x 15" x 12"	12" x 15" x 12"
Blade Length	156"	156"
Blade Width	1"	1"
Blade Thickness	0.035"	0.035"
Vise Swivels	90° to 45°	90° to 45°
Low Voltage control	Yes	Yes
Coolant System	Yes	Yes
Dimensions (L x W x D)	53.2" x 87.8" x 32.3"	53.2" x 87.8" x 32.3"
Shipping Weight	1,320 lbs.	1,320 lbs.

10" X 16" HORIZONTAL BAND SAWS

Performance and accuracy describe the Palmgren 10" x 16" horizontal band saw. This general purpose cut-off saw was designed with the operator in mind. Equipped with our swing away control panel which allows the operator access to all the machine controls from both the front, as well as, the back of the machine. Available with either single phase or three phase power, these band saws cover a wide variety of applications in machine shops, maintenance shops, tool rooms, fabrication and welding shops. Built to offer more standard features designed to provide maximum performance, greater accuracy and more economical operation.



STANDARD FEATURES:

- Swing away control panel relocates saw controls to a single location for greater operator convenience and safety
- Hydraulic down feed control is easily adjusted matching the proper feed rate to the materials being cut
- Variable speed drive train allows the operator to fine tune the blade speed to match their cutting application
- Hardened and ground gears operating in an oil bath deliver smooth, positive surface feet per minute to the blade
- Adjustable tungsten carbide and precision ball bearing blade guides provide close positioning of the guides to the material being cut for square accurate cuts
- Cast iron adjustable guide arms
- Rapid acting vise adjustable for miter cuts
- Blade speed & pitch selector
- Convenient top load blade changes
- Large hand wheel with blade tensioning guide accurately measures blade tension
- Replaceable blade brush
- Coolant system delivered through both blade guides

Item #	9683294	9683295
HP	1.5HP	2HP
Voltage	230V	230V
Amps	12	6.2
Phase	1 PH	3 PH
RPM	1720	1720
Drive	Variable	Variable
Blade Speed	95-350	95-350
Cut Capacity (W x H)	10" x 16"	10" x 16"
Round @ 90 Degrees	10"	10"
Round @ 45 Degrees	10"	10"
Rectangle @ 90 Degrees	10"-16.5" x 7"	10"-16.5" x 7"
Rectangle @ 45 Degrees	10"-11.6" x 10"	10"-11.6" x 10"
Blade Length	135"	135"
Blade Width	1"	1"
Blade Thickness	0.035"	0.035"
Vise Swivels	90° to 60°	90° to 60°
Low Voltage control	Yes	Yes
Coolant System	Yes	Yes
Dimensions (L x W x D)	44.5" x 76.4" x 29.5"	44.5" x 76.4" x 29.5"
Shipping Weight	792 lbs.	792 lbs.

OPTIONAL ACCESSORIES

Item # 9683364 - Replacement Blade
Bi-Metal, 1" x 0.035" x 135", 5-8 TPI



9" X 16" VARIABLE SPEED HORIZONTAL BAND SAW

STANDARD FEATURES:

- Variable speed drive for fast easy speed changes and longer blade life
- Rapid acting vise adjustable for miter cut
- Adjustable tungsten carbide and precision ball bearing blade guides allow for close positioning of the guides to the material being cut for square accurate cuts
- Cast iron adjustable guide arms
- Heavy duty transmission utilizes hardened and ground gears operating in an oil bath providing a smooth, quiet drive train and positive surface feet per minute to the blade
- Swing away control panel gives the operator a more convenient and safer way to operate the saw
- Dual counter balanced feed system utilizing both spring and hydraulic cylinder to insure smooth consistent feed pressure on the blade. This combination allows for accurate cutting of solids, shapes and thin walled tubing
- Blade speed & pitch selector
- Convenient top load blade changes
- Large hand wheel with blade tensioning guide accurately measures blade tension
- Coolant system delivered through both blade guides
- Replaceable blade brush

OPTIONAL ACCESSORIES

Item # 9683360 - Replacement Blade
Bi-Metal, 1" x 0.035" x 119-1/2", 5-8 TPI

Item # 9683293

HP	1.5HP
Voltage	230V
Amps	4.7
Phase	1 PH
RPM	1720
Drive	Variable
Blade Speed	80-250
Cut Capacity (W x H)	9" x 16"
Round @ 90 Degrees	9"
Round @ 45 Degrees	9"
Rectangle @ 90 Degrees	9"-15.75" x 6"
Rectangle @ 45 Degrees	9" -12" x 4.75"
Blade Length	119.5"
Blade Width	1"
Blade Thickness	0.035"
Vise Swivels	0° to 45°
Low Voltage control	Yes
Coolant System	Yes
Dimensions (L x W x D)	43.3" x 70.7" x 29.3"
Shipping Weight	748 lbs.

8" X 12" HORIZONTAL BAND SAW

Cast iron and rigid steel construction of the saw head and base provides full blade support, eliminating vibration and deflection. The combination of a direct drive train and hydraulic feed system delivers consistent accurate cuts.

STANDARD FEATURES:

- Longer and larger blade wheels provide a greater radius to reduce stress on the blade
- No belts to set or change
- No wrenches are needed - the angle of cut can be easily set with the turn of a handle
- Hydraulic feed control for cutting stock at variable rates
- Adjustable blade guides deliver accurate cuts
- Chip blade brush
- Coolant system with adjustable coolant flow
- Wheels that roll easy for positioning



Item # 9683308

HP	1HP
Volts	120/240V
Phase	1 PH
Blade Size	0.75" x 0.035" x 93"
Blade Speed	115/210/255 SFPM
Dimensions (L x W x H)	51" x 19" x 43"
Weight	363 lbs.

OPTIONAL ACCESSORIES

Item # 9683321 - Replacement Blade
Bi-Metal, 3/4" x 0.035" x 93", 6-10 TPI

Cutting Capacity

Angle	Round		Rectangle			
90°	203 mm	8"	165 x 275 mm	6.5 x 11 in	55 x 300 mm	2 x 12 in
45°	120 mm	4.75"	200 x 120 mm		7.87 x 4.72 in	



DIRECT MOTOR DRIVE

The all gear drive power train is directly connected to the motor to deliver full power at any speed, driving the blade at nearly 100% of the available horsepower. The end result is higher efficiency, consistent speed to the blade resulting in longer blade life.



THREE JAW VISE

For standard cut off applications the rigid design makes square cuts easy. When miter cuts are required no wrenches or readjusting of the vise jaws are needed to set-up the vise. The angle can be pre-adjusted by simply loosening a handle.

7" X 12" HORIZONTAL BAND SAW

Palmgren's 7" x 12" horizontal band saw is the ideal saw for machine maintenance and fabricating shops and for limited run production applications. Heavy duty rigid steel and cast iron construction of the saw head and base provide full blade support and eliminates vibration and deflection.

STANDARD FEATURES:

- Step pulley drive train with 4 speed settings to cover all your sawing applications
- Gear box utilizes a bronze worm gear and hardened worm shaft running in an oil bath
- Adjustable hydraulic down feed of the saw head
- Automatic shut off at end of cut
- Adjustable ball bearing blade guides delivers straight accurate cuts
- Flood coolant system cools and cleans chips from the blade
- Chip brush
- Rapid acting vise
- Adjustable material work stop
- Castors for easy positioning of the saw anywhere in the shop



OPTIONAL ACCESSORIES

Item # 9683331 - Replacement Blade
Bi-Metal, 3/4" x 0.035" x 93", 6-10 TPI

Item # 9683311

Cutting Capacity Rectangle	7" x 11-3/4"
Cutting Capacity Round	7"
Cutting Capacity Square	7"
Motor	1HP - 120/240V - 1 PH - 60Hz
Amps AC	12/6.0
Speeds	96-132-178-260 FPM
Max. Thickness of Cut	7"
Max. Blade Length	93"
Max. Blade Width	3/4"
Blade Thickness	0.035"
Dimensions (H x W x D)	41" x 18" x 45"
Cutting Angle	45°
RPM	1725
Blade Wheels Dia.	11-1/2"



See page 38

HIGH PERFORMANCE VERTICAL TOOL ROOM BAND SAWS

Palmgren's Variable Speed, Vertical Tool Room Saw can handle all metal cutting jobs including contour sawing, beveling, slicing, ripping, stack cutting, and cutting off. The welded steel frame, solid cast-iron table and infinitely variable speed drive give this machine the rigidity and versatility required to easily cut various materials from aluminum and brass to tool steels.

STANDARD FEATURES:

- Electronic variable speed drive system for quick, easy speed changes allowing the operator to match the correct speed to the blade and cutting application
- LED digital SFPM readout
- Heavy duty oil bath gear box delivers accurate surface feet per minute to the blade for faster cutting rates
- Handles up to a 1" blade
- Chip blower to remove chips from the cutting area
- Adjustable cast iron fence
- Extra-large cast iron tilting table can handle a wide range of workpiece sizes and shapes
- Universal V-type carbide blade guides are easily adjusted for different sizes and types of blades while providing maximum blade support
- Large manual blade tension hand wheel
- Hand wheel with rack and pinion height blade guide adjustment
- Work light
- Speeds and feeds selector
- Safety electrical package with push button magnetic switch, safety off button and key lock switch
- Safety interlock switches on doors that cuts power to entire machine when the doors are opened
- Comes standard with blade welder, annealer, blade shear and grinder. The welder can weld new or broken blades from 1/8" to 3/4"

OPTIONAL ACCESSORIES

Replacement Blade 9683120 and 9683121

Item # 9683370 - Bi-Metal, 1/2" x 0.025" x 150", 10-14 TPI

Replacement Blade 9683122 and 9683123

Item # 9683371 - Bi-Metal, 1/2" x 0.025" x 178", 10-14 TPI

Item #	9683120	9683121	9683122	9683123
Blade Length	154" - 155"	154"-155"	178"-179"	178"-179"
Blade Width	1/8" - 1"	1/8" - 1"	1/8" - 1"	1/8" - 1"
Main Motor	3HP	3HP	3HP	3HP
Voltage/Phase	230V/3 PH	460V/3 PH	230V/3 PH	460V/3 PH
Table Height	38.5"	38.5"	36.5"	36.5"
Table Tilt	45° Left, 15° Right	45° Left, 15° Right	45° Left, 15° Right	45° Left, 15° Right
Throat Depth	20"	20"	24"	24"
Cutting Capacity	12.25"	12.25"	12.25"	12.25"
Electric Welder	4.2 KVA	4.2 KVA	4.2 KVA	4.2 KVA
Grinder Motor	1/8HP	1/8HP	1/8HP	1/8HP
Overall Dimensions (L x W x H)	46.5" x 38.5" x 77"	46.5" x 38.5" x 77"	53" x 40" x 77.5"	53" x 40" x 77.5"
Product Weight	812 lbs.	812 lbs.	930 lbs.	930 lbs.
Speed (SFPM)	0-1,365	0-1,365	0-1,650	0-1,650
Table Length x Width	21.5" x 23.5"	21.5" x 23.5"	24.25" x 24.25"	24.25" x 24.25"



9683120



9683123

VERTICAL TOOLROOM SAWS

Palmgren's vertical variable speed band saw is a must when your metal cutting job calls for contour sawing, beveling, slicing, ripping, stack cutting, cutting off or whatever the job requirement - it can handle it. The combination of the variable speed drive, rugged unitized welded steel frame and solid cast iron table make it easy to cut various materials from aluminum and brass to tool steels. Designed to add greater productivity and versatility to your metalworking operation.

STANDARD FEATURES:

- Heavy duty Uni-Welded frame construction provides a solid base with minimal deflection
- Variable speed drive system for quick, easy speed changes allowing the operator to match the correct speed to the blade and cutting application
- LED digital SFPM readout
- Heavy duty oil bath gear box delivers accurate surface feet per minute to the blade for faster cutting rates
- Handles 1/8" to 5/8" blades
- Chip blower to remove chips from the cutting area
- Adjustable cast iron fence
- Extra-large cast iron tilting table can handle a wide range of workpiece sizes and shapes
- Carbide blade guides are easily adjusted for different sizes and types of blades while providing maximum blade support
- Large manual blade tension hand wheel
- Hand wheel with rack and pinion height blade guide adjustment
- Work light
- Safety electrical package with push button magnetic switch, safety off button and key lock switch
- Safety interlock switches on doors that cuts power when the doors are opened
- Comes standard with blade welder, annealer, blade shear and grinder. The welder can weld new or broken blades from 1/8" to 5/8"

Item #	9683116	9683119
Cutting Capacity Rectangle	10" x 15"	10-3/4" x 18"
Cutting Capacity Round	10"	10-3/4"
Cutting Capacity Square	10"	10-3/4"
Motor	1.5HP/115-230V-1 PH/60Hz	1.5HP/115-230V/1 PH/60Hz
Amps AC	18.0/9.0	18.0/9.0
Speeds	80 to 350 FPM	82 to 385 FPM
Max. Thickness of Cut	10"	10"
Miter Capacity	90°	90°
Max. Blade Length	120-3/4"	140"
Max. Blade Width	1/8"-5/8"	1/8"-5/8"
Blade Thickness	0.025"	0.025"
Cutting Angle	90°	90°
RPM	1725	1725
Table Dimensions	21-1/2" x 23-1/2"	21-1/2" x 23-1/2"
Table Tilt Right to Left	+15° to -15°	+15° to -15°
Table Tilt Front to Back	+10° to -10°	+10° to -10°
Application	Metal	Metal
Blade Wheels	Dia.15"	Dia.18"
Min. Blade Length	120"	138"
Min. Blade Width	1/8"	1/8"
Dimensions (H x W x D)	70" x 36" x 29"	75" x 37" x 30"
Weight	860 lbs.	900 lbs.

OPTIONAL ACCESSORIES

Replacement Blade 9683116

Item # 9683329 - Carbon, 3/8" x 0.025" x 120-3/4", 10TPI

Replacement Blade 9683119

Item # 9683330 - Carbon, 1/2" x 0.025" x 140", 10 TPI



9683116



9683119

15" AND 18" VERTICAL WOOD/METAL BAND SAWS

The wood/metal vertical band saws are two saws in one. Specially designed to effectively cut a variety of materials including wood, plastic, composites, ferrous and non-ferrous metals.

STANDARD FEATURES:

- Unitized welded steel frame construction
- Cast blade wheels
- Large ground cast iron work table that tilts up to 45°
- Adjustable precision bearing blade guides
- Hinged wheel covers and convenient blade tensioning wheel for easy accessibility and fast blade changing and adjustments
- 4" dust port
- Rip fence
- Miter gauge
- Chip blower
- Chip chute
- Extra wide speed range
- 15" comes with one 1/2" - 14 TPI metal blade, and one 1/2" - 6 TPI wood blade
- 18" comes with one 3/4" - 14 TPI metal blade, and one 3/4" - 6 TPI wood blade

OPTIONAL ACCESSORIES

Replacement Blade 9683115

Item # 9683325 - Bi-Metal, 1/2" x 0.035" x 114", 10-14 TPI

Item # 9683326 - Carbon, 1/2" x 0.035" x 114", 4 TPI

Replacement Blade 9683118

Item # 9683327 - Bi-Metal, 3/4" x 0.035" x 136", 10-14 TPI

Item # 9683328 - Carbon, 3/4" x 0.035" x 136", 6 TPI

Item #	9683115	9683118
HP	1HP	1-1/2HP
Volts	115/230V	115/230V
Phase	1 PH	1 PH
Blade Length	114"	136"
Blade Thickness	0.035"	0.035"
Blade Width	1/8" to 3/4"	1/8" to 1"
Blade Speed	45, 65, 90, 110 155, 215, 3000 SFPM	45, 65, 90, 110 155, 215, 3000 SFPM
Throat Depth	15"	18"
Table Size	15" x 15"	19" x 19"
Dimensions (L x W x H)	23" x 20" x 78"	24" x 29" x 80"
Weight	345 lbs.	415 lbs.

Cutting Capacity

Miter Capacity	45°	45°
Round	254 mm / 10 in	304.8 mm / 12 in
Square	254 x 381 mm 10 x 15 in	304.8 x 450.85 mm 12 x 17-3/4 in



9683118



9683115

22" WOOD CUTTING BAND SAW

The Palmgren 22" wood cutting band saw is designed for heavy duty performance. The 4HP motor gives you the power to cut the bigger boards with smoother cuts and greater accuracy. The extruded aluminum fence is designed for accuracy and smooth operation on the front mounted rails. Toolless blade guide adjusting screws save time on set up. The cast iron table includes two slots so the miter gauge can be used on either side of the blade.

Dimensions: 20"D x 33"W x 68"H

- Belt drive system
- Machined cast iron table with miter gauge slot
- Balanced cast blade wheels
- Includes rip fence assembly and miter gauge



Item #	Motor	Cutting Depth		Ripping Capacity		Table Tilt	Blade (L&W)	Blade Speed (RPM)	Dust Port	Weight
		Throat Depth	Max @ 90°	Max @ 45°	Table Size					
9683126	3HP 230V 13.6A 1PH	21"	11.8"	8"	27-1/2" x 19"	0 to 20°	152" x 1-1/2"	2925	4"	814 lbs.

WOODCUTTING BAND SAW

10" ITEM# 9683127

DIMENSIONS: 21"D X 16-1/2"W X 34"H

14" ITEM# 9683125

DIMENSIONS: 20"D X 33"W X 68"H

The Palmgren woodcutting band saws feature welded steel frame construction and a solid cast iron table surface to ensure durability. It is designed for cutting hardwoods and softwoods. A convenient quick tensioning and comprehensive tracking mechanism makes blade changing quick and easy. The saws also feature a rip fence and dust collection port.

- Belt drive system
(14" has two speeds 1445 & 3150 FPM)
- Machined cast iron table with miter gauge slot
- Balanced cast blade wheels
- Includes rip fence assembly and miter gauge
- Open leg steel floor stand included (14" Band Saw only)



Item #	Motor	Cutting Depth		Ripping Capacity		Table Tilt	Blade (L&W)	Blade Speed (SPM)	Dust Port	Weight
		Throat Depth	Max @ 90°	Max @ 45°	Table Size					
9683127	1/3 HP 120V 3.4A 1PH	9-1/2"	4"	2"	13" x 13"	0 to 45°	67-3/8" x 1/2"	2900	4", 2-1/2", 2"	70 lbs.
9683125	1HP 120V 9.5A 1PH	13-1/2"	9"	6"	16" x 21"	0 to 45°	101 x 3/4"	1445/3150	4"	189 lbs.

*REPLACEMENT BLADES FOR 9683127

Item # 9683141 – 67-3/8" x 1/2" x 4TPI

Item # 9683142 – 67-3/8" x 1/4" x 6TPI

CNC CARBIDE CIRCULAR SAWS

Palmgren's CNC carbide cold saws are the ideal choice for cutting diameters up to 4" in short lengths and thousands of parts. We have incorporated advanced metal cutting technology into a cold saw providing full automation for intricate and precise, fast cuts. These saws cut more parts per hour as well as more parts per blade than a standard production saw. The heavy duty construction combined with the CNC control provides more rigidity and reduces vibration for higher cutting rates, exceptional accuracy, superior surface finish and increased blade life.

STANDARD FEATURES:

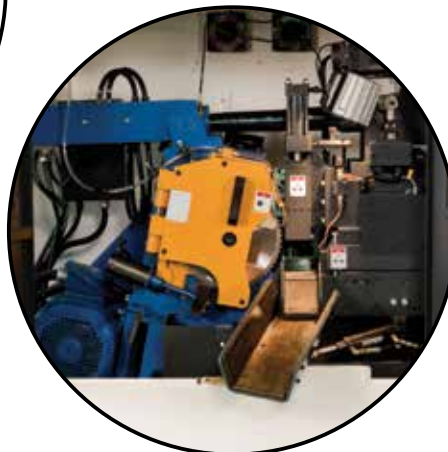
- Easy to use operator controls
- Automatic separation of cut parts through discharge chute
- Hydraulic controlled power chip brush
- Mist coolant system
- Scraper type automatic chip conveyor
- Material feed system utilizes servo motor and precision ball screw for accurate movement and positioning of the workpiece
- 45 Degree slant bed approach of the saw head and blade
- Saw head travels and is fed into the material via servo motor and ball screw
- Secure workpiece clamping from both the sides and the top
- High RPM with minimal kerf and swarf
- Surface finish from 40 – 80 RMS
- Cut operation from 7 to 50 seconds depending on size and type of material
- Eliminates secondary operations

Item #	9684482	9684483
Round Capacity	0.3" - 3"	0.39" - 4"
Rectangle Capacity	0.3" x 0.3"-2.36" x 2.36"	0.39" x 0.39"-3.4" x 3.4"
Blade Diameter	11-1/4"	14"
Blade Speed	50-200 RPM	50-200 RPM
Main Motor	15HP	15HP
Voltage	230V	230V
Phase	3 PH	3 PH
Hydraulic Motor	2HP	2HP
Hydraulic Tank	10.5 Gallons	13.2 Gallons
Cutting Amount Setting	1-9999	1-9999
Feeding Stroke	0 - 23.6"	0 - 23.6"
Dimensions (L x W x H)	269" x 103" x 86"	273" x 111" x 88"
Weight	7,150 lbs.	7,920 lbs.



CONTROL PANEL

LCD touch panel display allows for easy setup and operation of the saw.



A LOOK INSIDE THE MACHINE

Full cast iron construction provides the rigidity and strength required to quickly cut even the hardest of materials.



14.5" CNC VERTICAL COLUMN COLD SAW

Palmgren's CNC vertical column cold saw is perfect for high volume production cutting of solids, tubing and profiles in steel and alloys. Built to withstand the rigors of continuous operation requiring accurate material delivery to the cutting area and precise surface finish after the cut. This machine is ideal when you have multiple jobs to be cut on a regular basis or when you have multiple lengths that need to be cut off of the same workpiece. The CNC controls are conveniently located in the front of the machine and are user friendly and interactive. Our CNC system is seamlessly integrated into the entire automation process for ease of operation, high performance and increased productivity.

STANDARD FEATURES:

- CNC touch screen programable control system controls the saw head down feed placement and movement, part feed movement, vise activation, coolant and the miter positioning angle of the saw / blade
- Programmed hydraulic head adjustments - cuts 45 degrees to the right and left
- The saw head is smoothly advanced on precision machined dovetail ways
- Tempered and ground vise jaws on the both the material feeder and workpiece clamping
- Adjustable anti-burr automatic vise
- Adjustable vise clamping pressure
- Blade chip cleaner
- Flood coolant system
- Single index of material feeder is 39" / 1000mm. Feed length can be programmed to single or multiple indexes
- Safety electrical package includes overload and low voltage protection, 24 volts at the switch and emergency stop button
- Cast iron and heavy duty steel construction
- Made in Italy

OPTIONAL ACCESSORIES

Replacement Blades for 9683340

Item # 9683144 - 14.5"/370mm/100T

Item # 9683145 - 14.5"/370mm/150T

Item # 9683146 - 14.5"/370mm/220T

Item # 9683147 - 14.5"/370mm/280T

Item # 9683340

HP	4HP
Volts	230V
Phase	3 PH
Speed RPM	0-100
Round Material Max. 0°	Machine set to client spec
Square Max. 0°	4-3/4" x 4-3/4"
Round Material Max. 45°	5-1/8"
Square Max. 45°	4-3/4" x 4-3/4"
Cutting Angle Left/Right	45°/45°
Cutting Angle Adjustment	Auto
Feed	Auto
Saw Blade Diameter	14.5" / 370mm
Vise Opening	Machine set to client spec
Overall Machine Dimensions (L x W x H)	137.75" x 47.25" x 74.75"
Machine Weight	2,140 lbs.

CONTROL PANEL

LCD touch panel display allows for easy setup and operation of the saw.





14.5" VERTICAL COLUMN AUTOMATIC COLD SAW

Palmgren's automatic vertical column cold saw is perfect for short run and high volume production cutting of solids, tubing and profiles in steel and alloys. Built to withstand the rigors of continuous operation requiring accurate material delivery to the cutting area and precise surface finish after the cut. All operator controls are conveniently located in the front of the machine, at the work area and are clearly and logically marked for easy use and identification. Jobs can be quickly set-up and easily changed for increased through put.

STANDARD FEATURES:

- Programable control system controls the saw head down feed placement and movement, part feed movement and vise activation. The miter angle of the saw head is set manually
- The saw is supplied with part counter, 9 programs, each of them with 99 steps for a total of 890 cutting applications
- Cuts 45 degrees to the right and left
- Head rotation stops at 0 & 45 degrees
- The saw head is smoothly advanced on precision machined dovetail ways
- Tempered and ground vise jaws on the both the material feeder and workpiece clamping
- Adjustable anti-burr automatic vise
- Adjustable vise clamping pressure
- Blade chip cleaner
- Flood coolant system
- Single index of material feeder is 23.6in / 600mm Feed length can be programmed to single or multiple indexes
- 5' material in-feed support roller stand
- Safety electrical package includes overload and low voltage protection, 24 volts at the switch and emergency stop button
- Cast iron and heavy duty steel construction
- Made in Italy



CONTROL PANEL

LCD touch panel display allows for easy setup and operation of the saw.

Item # 9683339

HP	3HP
Volts	230V
Phase	3 PH
Speed RPM	25/50 or inverter
Round Material Max. 0°	5-1/8"
Square Max. 0°	4-3/4" x 4-3/4"
Round Material Max. 45°	5-1/8"
Square Max. 45°	4-3/4" x 4-3/4"
Cutting Angle Left/Right	45°/45°
Cutting Angle Adjustment	Manual
Feed	Automatic
Saw Blade Diameter	14.5" / 370mm
Vise Opening	7-1/4"
Overall Machine Dimensions (L x W x H)	137.75" x 47.25" x 74.75"
Machine Weight	1,980 lbs.

OPTIONAL ACCESSORIES

Replacement Blades for 9683339

Item # 9683144 - 14.5"/370mm/100T

Item # 9683145 - 14.5"/370mm/150T

Item # 9683146 - 14.5"/370mm/220T

Item # 9683147 - 14.5"/370mm/280T



14.5" VERTICAL COLUMN COLD SAW

Palmgren's vertical column cold saw is designed for utility cutting as well as short run batch production when precision cutting is required. Ideally suited for applications that require frequent cutting of low and high carbon steels, solids, tubing and heavy sectional pieces with thick walls. The cutting saw head is smoothly advanced with a rack and pinion system on a precision machined cast iron column with dovetail slide. Because the blade travels at the optimum cutting angle to the workpiece, vibration is minimized and the chip load on the blade is constant reducing blade fatigue resulting in longer blade life.

STANDARD FEATURES:

- Miter cuts 45 degrees to the right & 60 degrees to the left
- Head rotation stops at 0, 45 & 60 degrees
- Adjustable stops for the vertical saw head stroke
- Rapid acting vise, adjustable, anti-burr, allows for secure clamping of the workpiece improving accuracy and finish
- Fully enclosed blade guard
- Blade chip cleaner
- Flood coolant system
- Adjustable work stop
- 39" long material in-feed support roller stand
- Safety electrical package includes overload & low voltage protection, safety spring loaded 24 volt trigger switch, emergency stop button and two speed motor switch
- Cast iron base mounted to a heavy duty solid steel floor stand
- Made in Italy

Item # 9683338 - Manual Column Cold Saw

Item # 9683341 - Semi-Automatic Column Cold Saw with cycle activated foot switch

OPTIONAL ACCESSORIES

Replacement Blades for 9683338

Item # 9683144 - 14.5"/370mm/100T

Item # 9683145 - 14.5"/370mm/150T

Item # 9683146 - 14.5"/370mm/220T

Item # 9683147 - 14.5"/370mm/280T



Item #	9683338	9683341
HP	3.3HP	3.3HP
Volts	230V	230V
Phase	3 PH	3 PH
Speed RPM	36/72	36/72
Round Material Max. 0°	4-3/4"	4-3/4"
Square Max. 0°	4" x 4"	4" x 4"
Round Material Max. 45°	4-3/4"	4-3/4"
Square Max. 45°	3-1/2" x 3-1/2"	3-1/2" x 3-1/2"
Round Material Max. 60°	3-1/2"	3-1/2"
Square Max. 60°	3-1/2" x 3-1/2"	3-1/2" x 3-1/2"
Cutting Angle Left/Right	45°/60°	45°/60°
Cutting Angle Adjustment	Manual	Manual
Feed	Manual	Semi-Automatic
Saw Blade Diameter	14.5" / 370mm	14.5" / 370mm
Vise Opening	7-1/4"	7-1/4"
Overall Machine Dimensions (L x W x H)	41.25" x 39.25" x 72.8"	41.25" x 39.25" x 72.8"
Machine Weight	990 lbs.	990 lbs.

14" COLD SAW

Palmgren's 14" model cold saw is ideal for cutting low and high carbon steels, medium gauge tubes and profiles. It delivers precise, smooth, burr free straight or angle cuts consistently.

STANDARD FEATURES:

- Advanced gear box design utilizing taper roller bearings, hardened and ground gears with a high quality bronze worm gear in an oil bath
- Rapid acting vise, adjustable, anti-burr, allows for secure clamping of the workpiece, improving accuracy and finish
- Flood coolant system
- Material feed support roller bracket and adjustable work stop
- Safety electrical package includes overload & low voltage protection, safety spring loaded 24 volt trigger switch, emergency stop button and two speed motor switch
- Cast iron base mounted to a heavy duty solid steel floor stand
- Made in Italy

Item # 9683337

HP	3HP
Volts	230V
Phase	3 PH
Speed RPM	40/80
Round Material Max. 0°	4-5/16"
Square Max. 0°	4" x 4"
Round Material Max. 45°	3-1/8"
Square Max. 45°	3-1/8" x 3-1/8"
Cutting Angle Left/Right	-45° - +45°
Cutting Angle Adjustment	Manual
Feed	Manual
Saw Blade Diameter	14in / 350mm
Vise Opening	4-3/4"
Overall Machine Dimensions (L x W x H)	58" x 39.37" x 47.24"
Machine Weight	508 lbs.



OPTIONAL ACCESSORIES

Replacement Blades for 9683337

- Item # 9683140 - 14"/350mm/28T
- Item # 9683137 - 14"/350mm/60T
- Item # 9683138 - 14"/350mm/120T
- Item # 9683139 - 14"/350mm/220T

9" COLD SAW

Palmgren's smallest cold saw is a lightweight bench model that can be easily moved to various workstations to complete cutting operations throughout the shop or on job sites. With its durable cast iron construction this cold saw can cut small solids, tubing and structural shapes fast, with a smooth, mill like finish.

STANDARD FEATURES:

- Bronze worm gear and hardened ground worm screw gear box in an oil bath
- Control handle with safety spring loaded trigger switch to start or stop the machine
- Coolant system
- Manual vise
- Adjustable work stop
- Made in Italy

OPTIONAL ACCESSORIES

Replacement Blades for 9683336

- Item # 9683132 - 9"/225mm/160T
- Item # 9683133 - 9"/225mm/180T
- Item # 9683143 - 9"/225mm/220T



Item # 9683336

HP	1HP
Volts	115V
Phase	1 PH
Speed RPM	52
Round Material Max. 0°	2-1/2"
Square Max. 0°	1-3/4" x 2-3/4"
Round Material Max. 45°	2-3/8"
Square Max. 45°	1-1/2" x 2-3/8"
Cutting Angle Left/Right	0° - 45°
Cutting Angle Adjustment	Manual
Feed	Manual
Saw Blade Diameter	9" / 225mm
Vise Opening	2-3/4"
Overall Machine Dimensions (L x W x H)	30" x 32" x 23"
Machine Weight	90 lbs.

MATERIAL SUPPORT STANDS

The Horizontal Head has a chrome-plated, 2" x 14" ball bearing roller head and is designed to smoothly move up to 2,000 pounds of flat stock.

The V-Roller Head has two chrome-plated, 2" x 5" ball bearing roller heads and is designed to smoothly move up to 2,000 pounds of round stock 1" to 18" in diameter.

- Heavy duty cast iron and steel for handling heavy loads of stock up to 2,000 pounds.
- Clamping mechanism on the column along with locking screws
- 9670141 Stand comes with a Interchangeable Horizontal Head
- 9670181 Stand comes with a Interchangeable V-Roller Head
- Replacement heads are available and are interchangeable



Description	Item #	Model #	Weight Holding Capacity	Length of Horizontal Roller	Min. Stock Diameter	Max. Stock Diameter	Height Range	Base Size	Weight
Stand w/ Horizontal Head	9670141	MSH14	2,000 lbs.	14"	–	–	23" - 38-1/2"	15" x 16-1/2"	47 lbs.
Stand w/ V-Head	9670181	MSV18	2,000 lbs.	5"	1"	18"	23" - 38-1/2"	15" x 16-1/2"	47 lbs.
Horizontal Head Only	9670182	MHR14	2,000 lbs.	14"	–	–			15 lbs.
V-Head Only	9670183	MVR18	2,000 lbs.	5"	1"	18"			15 lbs.

HEAVY DUTY POWER ROLLER STAND

- Easily moves heavy material for semi-automatic band saws
- Moves material forward or backward using manual controls
- Can make minor material movements using material jog controls
- 9 rollers all move in unison for smooth material movements
- Heavy duty loading capacity of up to 6,600 lbs.



Item #	Roller Width	Roller Length	Roller Height	Weight
9684490	25-1/2"	10"	31" - 33"	1,122 lbs.

ROLLER TABLE SUPPORT STANDS

Palmgren's height adjustable roller material support stands aid in supporting and moving large to heavy work pieces for fastening applications or into or out of a band saw or other machine tool.

These are heavy duty stands designed to handle loads up to 1,544 pounds. Each leg adjusts from 25" to 37" and is equipped with 4 independently adjustable leveling pads. The tables can be bolted together to extend to the necessary length to fit your specific application. Large precision machined steel rollers with long lasting roller ball bearings make movement of the work piece fast and easy.

These tables can be used to move larger heavier work pieces from one location to another for assembly, fastening, welding or as an in-feed or out-feed for machine tools.



DIMENSIONS:

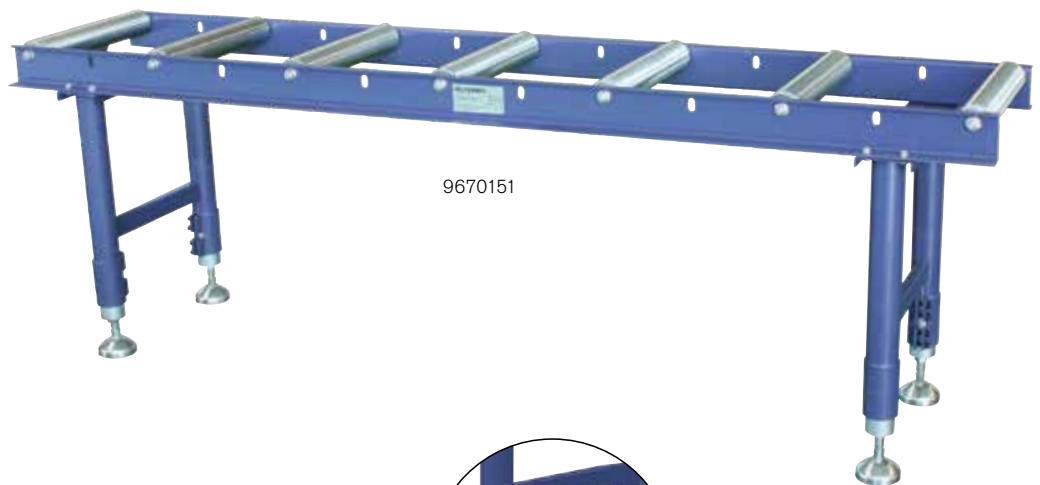
Item # 9670150 - 39.370" L x 17.323" W x 25.590 – 37.402" H
1000 mm L x 440 mm W x 650 – 950 mm" H
Net Weight 30 kg / 66 lbs.

Item # 9670151 - 78.740" L x 17.323" W x 25.590 – 37.402" H
2000 mm L x 440 mm W x 650 – 950 mm" H
Net Weight 58 kg / 128 lbs.

Item #	Diameter of Support Rolles	Width of Support Rolles	Static Table Load
9670150	60 mm / 2.362"	360 mm / 14.173"	500 kg / 1,103 lbs.
9670151	60 mm / 2.362"	360 mm / 14.173"	700 kg / 1,544 lbs.



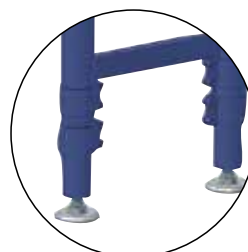
9670150



9670151



Frame
Solid steel construction • Rigid special profile
Support rollers
Steel • Ball-bearing at both sides



Supporting height
Variably adjustable
from 25" to 37"



For a detailed catalog of the full line of Palmgren Machine Tools visit our web site: www.palmgren.com or e-mail us to request a printed or electronic (pdf) catalog at: sales@chhanson.com

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