

INDUSTRIAL SAWMILLS AND WOOD PROCESSING EQUIPMENT

Wood-Mizer



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from forest to final form

Since 1982, Wood-Mizer has earned the reputation as a leading wood processing equipment manufacturer with a strong legacy for its innovative sawmilling products. Commercial wood processing companies around the world rely on Wood-Mizer industrial equipment to produce accurate lumber while reducing capital, material, labour, energy, and maintenance costs. Offering everything from single machines to complete systems, Wood-Mizer's industrial range includes sawmills, horizontal resaws, edgers, smart log processing, and material handling equipment to efficiently and profitably process timber into valuable wood products.



Wood-Mizer US Headquarter's new production hall in Indiana.



Wood-Mizer Europe's Headquarters and production hall in Poland.





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Wood-Mizer[®] INDUSTRIAL SAWMILLS







MACHINES THAT MAKE YOU MONEY

That's the promise of Wood-Mizer's industrial line, and here's how it works:

Lower initial investment = you keep more cash for your business More product from fewer logs = higher ROI and lower trucking costs Less power consumption = lower utility bills Lower costs of buying and maintaining blades = more money in your pocket Less space required = installs with minimum prep and integrates easily More product capabilities = operational flexibility and adaptability Legendary customer service & On-Site training = support you can count on Over 90% same day parts & blade shipment = less downtime

Making you money: Two - Twenty million board feet at a time.

Wood-Mizer machines are operated today in companies producing 5 000 cubic meters annually to companies producing 50 000 + cubic meters!

The typical sawmill operation using Wood-Mizer machines will mix or match the following:

- **Thin-kerf headrig** Efficiently break down logs into cants or boards with high material recovery.
 - **Resaw** Quickly turn cants into boards with Wood-Mizer's multihead and single head resaws.
 - Edger Accurately finish boards with Wood-Mizer edgers.
- **Material handling** Completely streamline your productivity.

Wood-Mizer's industrial line has revolutionized the way in which logs profitably become lumber.



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10 THINGS TO CONSIDER BEFORE BUYING A SAWMILL

- **See it in action.** You wouldn't buy a car without a test drive. The same principle applies to sawmills.
- **Get a reference.** Talk to someone who owns the mill you're interested in. Ask about the quality of the mill and about the company's customer service and support after the sale.
- **Ask about expertise.** Find out how many band sawmills the company has made. There's no substitute for experience in designing a quality sawmill.
- **Ask about manufacturing.** A lot of people can throw some steel together, stick a blade in there somewhere and call it a mill (and many do). There are some companies that don't even manufacture the mills they sell.
- **Compare resale values.** The day may come when you'll want to sell your mill (possibly because you want to upgrade your operation). Ensure that you buy a sawmill that holds its value well.
- **Compare warranties.** You're buying machinery. Parts will wear out over time. Make sure you're covered well.
- **Compare models and engines.** Don't get stuck with the wrong mill. Make sure you have plenty of options so you can get the machine that will do what you need done.
- **A mill for all seasons.** Is the mill capable of operating effectively in all conditions and timber types.
- **Safety.** Has the mill been designed with safety of the operator and offbearers in mind? Does the blade come to a halt between cuts minimising the risk of accident to people and equipment?
- **Service and Support.** Any machine is only as good as the after sales support and expertise standing behind it. Ensure that you have the best.

Two Wood-Mizer WM4000 sawmills replace four LT40s *and* boost output.



WM4000 INDUSTRIAL SAWMILL

ZACHOTIN, CZECH REPUBLIC

A Czech timber producer relates their 20 year growth by adding one LT40 sawmill at a time, until they upgraded to Wood-Mizer's industrial sawmills.

Miroslav's company is an excellent example of how a sawmill can grow steadily, investing as needed and growing production capacity without incurring too much risk all at once. Even though the company had six sawmills in operation, Miroslav eventually found that he still needed to increase productivity. So he decided to step up to two Wood-Mizer WM4000 sawmills.

"We mainly mill oak and popular logs, mainly for export, and this particular market is growing rapidly," Miroslav remarks. Wood-Mizer's engineers worked on how to address the space and flow issues of Miroslav's building, and created a sawmill tailored to his needs. "Wood-Mizer customized the WM4000 sawmill to suit the requirements of our premises, so it was built with reverse hydraulic log handling especially for us". These changes delivered the higher production levels Miroslav was hoping for. "We're now producing 1500 cubic meters of timber monthly," Mr. Čekal says. "Each of the two WM4000 Sawmills mill 500 cubic meters of timber, and another 500 cubic meters are produced by the two LT40 Sawmills still in operation."

The upgrades to the industrial sawmills have also resulted in significant savings in labour requirements, blade costs and lower maintenance costs. "Due to the implementation of the two WM4000s, our labour requirements have gone from 10 employees down to only six in the sawmilling department. And we now have less blades consumption, less spare parts consumption and less waste." Miroslav figures.



INDUSTRIAL SAWMILLS

WM4000 - Horizontal Thin-Kerf Headrig **WM3500** - Horizontal Thin-Kerf Headrig

Wood-Mizer headrigs are industrial-quality lumber and cant production equipment that require less money to purchase and maintain, in turn giving you back margins of profit not seen from larger machines.

- Maximizes profitability
- Low installation costs
- Small footprint and modular design
- Increased yield from each log
- Reduced labor costs
- Reduced power consumption
- Prompt technical and product support

WM4000 INDUSTRIAL SAWMILL

THIN-KERF INDUSTRIAL SAWMILLING AT ITS FINEST

The WM4000 combines the profitability enhancements of thin-kerf blades with productivity advances in automated sawing technology

to create an ideal solution for any sawmill.

Only one operator is needed to manage log handling, sawing, and timber removal for further processing making the WM4000 a highly profitable machine. The WM4000 adapts easily for whatever cutting requirements are needed and delivers higher log yield at lower investment and operating cost than alternatives, increasing profitability and ability to produce diverse products quickly.

The WM4000 can be used as a standalone sawmill to process all required materials, or as an addition to an existing sawmill to process irregular logs or to produce custom orders that existing equipment is not suited for.





Advanced Touch Screen Setworks Wood-Mizer's most efficient and PLC setworks system.



Two Bi-directional **Chain Turners** Quickly turn and position the log with these heavy-duty turners.





WM4000 FEATURES





Removes bark, dirt, and debris from the path of the blade. powerful industrial



Board Return Arms The solid-steel board return arms transfer freshly sawn boards from the sawmill



Double Vertical Support Provide a surface to clamp the log against, cut perfectly square. to the conveyor.



Heavy-Duty Log Clamp The versatile log clamp can be used allowing the log to be as a log/cant clamp as well as a quick way to flip cants into position.



Hold Down Clamp Invaluable when cutting logs which have compression or tension wood.



Toe Board Rollers Provide horizontal positioning to adjust for taper in the log, and assist with cant removal.



Power Roller Easily enables you to position the log on the bedrails, and can also assist in removing sawn cants.



Heavy-Duty Bed 50% more steel than the WM3500 bed. covers and improved



Board Removal Conveyor Automatically activates when board is being removed.



Bed Rails

rail shape.

New stainless steel

WM4000 SPECIFICATIONS

Power	
Standard	22 kW electric
Cutting Capacity	
Max. Log Diameter	1 m
Max. Width of Cut	860 mm
Max. Log Length	6.5 m (6.17 m with board removal)
Depth of Cut	330 mm
Max. Cant Width	785 mm
Sawmill Head Features & Options	•
Standard	Touch Screen Setworks Servomotor up/down Power Feed Electric Blade Guide Arm Automatic Blade Lubrication Roller & Double Block Blade Guides Laser Sight Blade Tension
Optional	Debarker, Pantograph System, Board Return Arms
Sawmill Bed Features & Options	
Standard	Heavy-Duty bed with short conveyor Operator Station
Optional	Air-Conditioned Operator Cab
SUPER Hydraulic	3 Double Side Supports 2 Chain Turners 1 Central Clamp 2 Hold-down Clamps 1 Toe Board Roller 1 Power Roller Hydraulic Pump 7.5 kW
Tables (optional)	Sawmill Log Deck 3.6 m or 6.0 m Inclined Conveyor Transfer Deck
Blade	
Length	4.98 m
Width	38 mm
Blade Wheel diameter	635 mm
Blade wheel material	Belted cast steel
Sawmill Requirements	
Power requirements	400 V / 50 Hz, 3 Ph
Shop air supply	110 psi
Dust collection port size	150 mm



PRODUCTIVE THIN-KERF SAWMILL FOR INDUSTRIAL TIMBER PRODUCTION

The WM3500 is a proven industrial thin-kerf sawmill for primary log breakdown, and for cutting logs which cannot be processed in an automated line. The WM3500 delivers higher log yield at lower investment and operating cost than alternatives, increasing profitability and ability to produce diverse products quickly.

The WM3500 requires only one operator to manage log handling, sawing, and remove finished boards for further processing. Powerful computer setworks, centralised controls, and heavy-duty hydraulic functions enable the operator to focus on producing quality timber at a high production rate.

The WM3500 uses thin-kerf, narrow band blades that maximise log yield and minimise waste and operational costs – increasing profits and competitiveness.





Setworks with joystick controls Operator has full control with automation functions that increase productivity.



Support



10 INDUSTRIAL SAWMILLS

WM3500 FEATURES



Operator Station Standard raised platform gives of work. Optional enclosure.

Clamp



operator clear view laser



Dual Laser Sight Debarker Line up logs for removes bark, dirt, maximum recovery and debris from the with the optional path of the blade.



Pneumatic Air Strain Tension System used for blade tensioning and provides a built-in shock absorber.



Blade Guides Integrated blade lubrication ports, flanged, heat-treated rollers with high speed bearings, and double block guides.



Double Vertical

Provide a surface to clamp the log against, clamp can be used to clamp the log or allowing the log to be cant, as well to flip cut perfectly square. cants precisely.



Heavy-duty Log Roller The versatile log

Optional Power Position the log on the sawing bed and remove cants quickly.



Bi-directional Chain Turner Quickly turn and position the log with the heavy-duty turner.



Board Return Arms The solid-steel board return arms transfer freshly sawn boards from the sawmill to the waiting conveyor.



Board Removal Conveyor Automatically activates when board is being removed.



WM3500 SPECIFICATIONS

Power	
Standard	22 kW electric
Cutting Capacity	
Max. Log Diameter	1 m
Max. Width of Cut	860 mm (guide to guide)
Max. Log Length	6.5 m (6.3 m with board removal)
Max. clamp width	660 mm (from stop block)
Min. clamp width	50 mm (from stop block)
Sawmill Head Features & Options	;
Standard	Computer Setworks, Power up/down, Power Feed, Electric Blade Guide Arm, Automatic Blade Lubrication, Roller & Double Block Blade Guides, Laser Sight, Blade Tension
Optional	Debarker, Board Return Arms, Pantograph System
Sawmill Bed Features & Options	
Standard	Operator Station
Optional	Heavy-Duty bed with short conveyor Air-Conditioned Operator Cab
STANDARD Hydraulic	Single Vertical Supports, Bi-directional Chain Turner, Central Clamp, Hold-down Clamp, Toe Board Roller, Power Roller, Hydraulic Pump 5.5 kW
SUPER Hydraulic	Double Vertical Supports, Bi-directional Chain Turner, Central Clamp, Hold-down Clamp, Toe Board Roller, Power Roller, Hydraulic Pump 7.5 kW
Tables (optional)	Log Deck 3.6 m or 6.0 m Inclined Conveyor Transfer Deck
Blade	
Length	4.98 m
Width	38 mm
Blade wheel diameter	635 mm
Blade wheel material	Belted cast steel
Sawmill Requirements	
Power requirements	400 V / 50 Hz, 3 Ph
Shop air supply	110 psi
Dust collection port size	150 mm

OPERATOR STATION

Production depends on the operator, and the controls for the WM4000 were designed with the operator in mind. The operators stand is intended to be positioned at the end of the mill with the head sawing towards the operator. The operator seat is located so that the angle of view provides a clear, unobstructed sight line. As the head pulls the cut piece off the mill and the air jets clean off any debris, the sawyer can plainly see the cut surface to make good grade sawing decisions. The sawyer sits in a comfortable rotating chair. Ergonomic joysticks designed to reduce repetitive motion injuries are mounted at the end of each arm rest. Most of the functions of the machine are controlled through these two joysticks, making operations fast, easy, and efficient. The logical, functional layout decreases the time and cost of operator training. For sound isolation, safety, or protection from the elements, an optional cab with climate control is available.



AIR-CONDITIONED OPERATOR'S CAB

Maintains comfortable temperature for the operator and protects electronic elements from extreme weather conditions.



BLADE GUIDES

The blade is the heart of any cutting tool and Wood-Mizer has spent many years of research and dollars to constantly improve our blade guide systems. The WM4000/3500 blade guides are the culmination of our efforts and the top of the line in guide systems. These guides incorporate integrated blade lubrication ports, flanged, heat-treated rollers with high speed bearings, and double block guides. The flanged roller eliminates the need of a backer bearing, reducing maintenance time and replacement parts costs.

The combination pressure/roller/block system on the WM4000/3500 gives the best advantages of many blade guide styles. The blocks, which are made from a proprietary steel alloy, are the best performing, longest lasting guides we've ever tested. These features all add up to high performance and low maintenance, resulting in even more efficiency from the WM4000/3500.



PANTOGRAPH SYSTEM

Keeps all cables that run from the sawmill to the operator's station away from sawdust and debris, resulting in troublefree operation.

Discover how Wood-Mizer owners rely on our innovative industrial equipment to produce profits *and* reduce costs to build their bottom line.



WM1000 INDUSTRIAL SAWMILL INSTALLATION

Sawmillers around the world report on how they are using the massive WM1000 sawmill to cut their biggest logs, increase yield, and improve cutting accuracy.

The Wood-Mizer WM1000 sawmill is designed to facilitate the sawing of large diameter logs up to 1.7m in diameter. Using the WM1000, large logs can be slabbed through and through, sawn in half, quartered, or broken down into cants for resawing. The operator controls all cutting functions while standing on a platform that moves with the head.

The WM1000 also features thinner kerf blades than other large-log sawing methods, resulting in higher timber yields, more cutting precision and a smoother surface finish.

COPFORD FARM, SUSSEX ENGLAND

Copford Farms started by offering mobile sawmill services, and now that they are wellestablished, they specialize in custom cutting oak to the requirements of local builders. There was a clear need for a larger capacity sawmill, and they soon decided to install a WM1000 industrial sawmill. "It's a huge sawmill but easy to operate," said Harry. "In addition to being faster we are getting much higher yield from bigger logs. Accuracy is spot on and the surface finish is excellent. We have had very good feedback from customers".





LARGE LOG SAWMILL

WM1000 - Oversized Thin-Kerf Headrig

The Wood-Mizer WM1000 sawmill is designed to saw large logs and slabs. The durable and easy to use WM1000 sawmill with thin-kerf bandsaw blades is ideal for sawing high-value hardwood, softwood, and tropical species.

- Massive capacity
- High value slabs
- Specialty pieces
- Live Edge boards
- Unique designs

MMIDDD INDUSTRIAL SAWMILL

EFFICIENTLY CUT MASSIVE LOGS WITH THIN-KERF ADVANTAGES

The Wood-Mizer WM1000 saws large softwood, hardwood and tropical logs up to 1.7 metres in diameter. This sawmill uses narrowband, thin-kerf blades to deliver higher log yields than traditional large-log sawing methods. Heavy-duty, accurate, and easy-to-use, the WM1000 features a massive cutting head that moves along a twin-rail frame to convert large logs into halves, quarters, finished boards, or cants for resawing. The operator controls all cutting functions while standing on a platform that moves with the head and includes electronic setworks for accurate cutting.

The WM1000 uses thin-kerf, narrow band blades that are 50 mm to 75 mm wide, resulting in significantly improved log yield and less wood waste.

Built to last and run effortlessly in industrial applications, it easily integrates into existing operations with low installation costs. Simply extend the rails to cut longer logs.

WM1000MEC50 shown with optional track assembly



WM1000 Packaged and ready to ship.





Ride-along Stay close to the







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SAWMILLS

WM1000 FEATURES:



Operator Station action comfortably and safely with the ride-along station.



Control Panel with Setworks The standard setworks increases productivity and accurately positions the head for the next cut.



The use of doublecarrying blocks reduces vibration and ensures proper support of the blade while cutting.



Blade Tensioner The hydraulic system ensures constant tension during the cutting process.



Blade Lubrication The two-sided blade lubrication system cleans and reduces noise during cutting.



Multi-point Blade Whee Lubrication & Cleaning A sawdust scraper and a heavy-duty lubrication pad cleans and lubricates the contact surface of the blade wheels.

WM1000 MAXIMUM CUTTING SIZES:





Log on the ground

A log of 1.7m diameter can be cut in the centre or sawn through and through with the log on the ground. The thickness of the last board is limited by the height of the rails and is 300mm. This can be reduced if the log is raised off the ground - in which case the maximum log diameter is reduced by that amount (see image showing example of raising log by 200mm to achieve a final board thickness of 100mm).

Options	30 kW electric 37 kW electric
Head Drive	
Power Feed	1.1 kW electric
Head Up/Down	0.75 kW electric
Blade Guide Motors	2 x 0.25 kW electric
Cutting Capacity	
Length	only limited by rail length
Max. Diameter	1.7 m - No bed 1.18 m - Manual bed 1.63 m - Manual bed with rail support system
Min. Diameter	500 mm
Min. width of cut	200 mm
Max. width of cut	1700 mm
Height above the blade	980 mm
Sawmill Head Features & Options	
Log on ground	Rails 2 x 10 m long (option) Rails 2 x 5 m long (option)
Log on ground Manual log bed	Rails 2 x 10 m long (option) Rails 2 x 5 m long (option) Dual sided adjustable wedge clamps Rails 2 x 10 m long (option) Rails 2 x 5 m long (option) Raised rails 2 x 10 m long (option) Raised rails 2 x 5 m long (option)
Log on ground Manual log bed Blade	Rails 2 x 10 m long (option) Rails 2 x 5 m long (option) Dual sided adjustable wedge clamps Rails 2 x 10 m long (option) Rails 2 x 5 m long (option) Raised rails 2 x 10 m long (option) Raised rails 2 x 5 m long (option)
Log on ground Manual log bed Blade Length	Rails 2 x 10 m long (option) Rails 2 x 5 m long (option) Dual sided adjustable wedge clamps Rails 2 x 10 m long (option) Raised rails 2 x 10 m long (option) Raised rails 2 x 5 m long (option)
Log on ground Manual log bed Blade Length Width	Rails 2 x 10 m long (option) Rails 2 x 5 m long (option) Dual sided adjustable wedge clamps Rails 2 x 10 m long (option) Rais 2 x 5 m long (option) Raised rails 2 x 10 m long (option) Raised rails 2 x 5 m long (option) 8.80 m 50 - 75 mm
Log on ground Manual log bed Blade Length Width Blade Wheel diameter	Rails 2 x 10 m long (option) Rails 2 x 5 m long (option) Dual sided adjustable wedge clamps Rails 2 x 10 m long (option) Rais 2 x 5 m long (option) Raised rails 2 x 10 m long (option) Raised rails 2 x 5 m long (option) 8.80 m 50 - 75 mm 1070 mm
Log on ground Manual log bed Blade Length Width Blade Wheel diameter Blade wheel material	Rails 2 x 10 m long (option) Rails 2 x 5 m long (option) Dual sided adjustable wedge clamps Rails 2 x 10 m long (option) Rails 2 x 5 m long (option) Raised rails 2 x 10 m long (option) Raised rails 2 x 5 m long (option) 8.80 m 50 - 75 mm 1070 mm Crowned steel
Log on ground Manual log bed Blade Length Width Blade Wheel diameter Blade wheel material Sawmill Requirements	Rails 2 x 10 m long (option) Rails 2 x 5 m long (option) Dual sided adjustable wedge clamps Rails 2 x 10 m long (option) Raised rails 2 x 10 m long (option) Raised rails 2 x 5 m long (option) 9.80 m 50 - 75 mm 1070 mm Crowned steel
Log on ground Manual log bed Blade Length Width Blade Wheel diameter Blade wheel material Sawmill Requirements Normal power usage	Rails 2 x 10 m long (option) Rails 2 x 5 m long (option) Dual sided adjustable wedge clamps Rails 2 x 10 m long (option) Raised rails 2 x 10 m long (option) Raised rails 2 x 5 m long (option) Raised rails 2 x 5 m long (option) Raised rails 2 x 5 m long (option) Commension So - 75 mm 1070 mm Crowned steel 400 V / 50 Hz, 3 Ph

22 kW electric

WM1000 SPECIFICATIONS

Power

Standard

MACHINES THAT MAKE THEM MONEY

Coomer & Sons Sawmill, Frankfort IN

Family Business Rebuilds Pallet Operation with Wood-Mizer



Manufacturing pallets for nearly 40 years, the Indiana-based Coomer & Sons Sawmill has grown from a small garage start-up into a commercial-sized operation producing thousands of pallets daily. Established in 1978, the family-owned and operated Coomer & Sons began with four employees making 75 pallets by hand each day to now employing 80 and producing up to 3,000 pallets for the worldwide market per day.

Tragedy struck the family in the Summer of 2014 when Coomer & Sons experienced a fire that burned their building and production equipment clear to the ground. Fortunately the company's president, Jeff Coomer, had purchased a building six months earlier and decided to begin rebuilding the family business at the new location. Throughout the remainder of the year, Coomer & Sons installed three Wood-Mizer Industrial sawmills, green chain, conveyor, and HR1000 industrial resaw to get back into production while also updating their previous circular sawmill operation. "We decided to replace the circular mill, which I think was a very wise choice because now that we've had these three [Industrial Headrig] mills, we're seeing the results of less waste, less sawdust, and more profit on the bottom line," said Jeff.

Today, Coomer & Sons saws up to 42 cubic meters of oak, ash, hickory, maple, sycamore, and cottonwood in order to produce more than 3,000 pallets daily – double the amount of pallets they produced with the previous circle mill set up. The company has also added a Wood-Mizer WM1000 industrial sawmill that will allow Coomer & Sons to break down large logs up to 1.7 m in diameter. "I think Wood-Mizer's proven that you can take less material and make it a better saw, heavy doesn't always mean better. It's the simplicity of Wood-Mizer's equipment that is just really nice."

In addition to offering new and used pallets to a variety of global clients shipping automotive filters, plastics, recyclables, tires, and more, Coomer & Sons also provides specialty heat-treated pallets required for shipping internationally. The company also makes sure that nearly every piece of the sawn timber is utilized into a marketable end product and supplements their pallet operation by offering manufacturing by products such as mulch and firewood from log end drops.



RESAWS

HR700 - Versatile & Modular HR500 - Modular Multi-head

To be able to quickly produce different kinds of lumber material is an important part of staying competitive. Our line of Horizontal Resaws integrate easily into existing lumber processing layouts, giving you the ability to quickly produce the size lumber you need.

- Lower initial investment
- Thin-kerf blades produce more product
- Options for flexible resaw capabilities
- Integrates easily into sawmill operations

HR700 HORIZONTAL RESAW

INDUSTRIAL-RANGE, MODULAR, MULTI-HEAD HORIZONTAL RESAW

Ideal for companies that need a large capacity, heavy-duty multi-head resaw, the HR700's modular design makes it easy to expand from one to a maximum of six heads as their demands change. In its maximum six head configuration, the HR700 converts large cants into six boards and one slab in a single pass.

A separate control stand holds all controls for the resaw. Centralized blade tensioning for each two-head base makes the blade change process more efficient.

> The twin-track steel belt conveyor provides a solid and durable surface that fully supports the entire cant width. Heavy, powered rollers stabilize and feed the cants through the heads during sawing. This makes it easier to process short cants or material with internal tension.



cant capacity.



up/down.



HR700 FEATURES:



Large Cant Capacity Larger motors and **Conveyor Belt** 400 mm x 400 mm cant width.



Twin-track Steel Supports the full



Central Blade Tension and Lubrication Each module has centralised blade tension and lubrication.



Modular Configuration Start with the 2-head base and extend with additional modules lator



Heavy, Powered Spiked Rollers Designed to secure cants with internal tension firmly.



Optional Rollers Optional Setworks For shorter cants less Increase operator productivity with the than 1.2 m long. optional electronic Max. cut height setworks and electric changes to 254 mm.





The base HR700 module includes two heads as standard. To extend the resaw, add another two-head module and install a longer conveyor belt.

> The modular design gives businesses the option to scale up their resaw capability as their demands change.

HR700 SPECIFICATIONS

Power	
Standard	15 kW electric / per head
Options	11 kW electric / per head 18.5 kW electric / per head
Cutting Capacity	
Max. Cant Height	400 mm
Max. Cant Height	230 mm (with Optional Rollers)
Min. Material Length	1200 mm
Max. Material length	Unlimited (for more than 3.6m material length, additional tables required)
Min. Cutting Height	6 mm
Max. Cutting Height	400 mm
Min. Cutting Width	75 mm
Max. Cutting Width	400 mm
Resaw Features & Options	
Standard	Spike Feed Rollers Steel Belt Conveyor Centralised Hydraulic Blade Tensioner for each 2 heads 2 Heads Module
Optional	MultiSetwork with electric up/down
Belt speed	0-20 m/min
Blade	
Length	4670 mm
Width	32-38 mm
Blade Wheel Diameter	600 mm
Resaw Requirements	
Normal power usage	400 V; 50 Hz; 3 Ph
1 head 2 heads 3 heads 4 heads 5 heads 5 heads	40 Amp (15 kW motor) 75 Amp (15 kW motor) 105 Amp (15 kW motor) 140 Amp (15 kW motor) 170 Amp (15 kW motor) 200 Amp (15 kW motor)

HR = 00HORIZONTAL RESAW

MODULAR, MULTI-HEAD HORIZONTAL RESAW

Ideal for companies that need an affordable multi-head resaw, the HR500 can grow with your business.

From one to six heads, the HR500's modular design allows you to add more saw heads later, and produce up to six boards and one slab in one pass. For short cants less than 1.2m long or material with internal tension, a steel double roller option is available.

A separate control stand holds all controls for the resaw. Blade lubrication and hydraulic blade tension are centrally located to increase productivity and ease of access. Standard, the resaw heads are adjusted with a manual screw. Setworks with electric up/down can be added optionally to boost productivity.

The saw heads tilt from 0°-8° to produce tapered siding products. These features allow the HR500 to produce not only pallet boards – its most popular use – but also siding, flooring, fencing, and more. For returning unfinished cants back through the resaw, roller tables are available for a manual cant return system.

> The modular design makes transportation easier and less costly, as well as giving businesses the option to scale up their resaw capability.



up/down the optional





HR500 FEATURES:



Optional automation Modular Configuration Start with the 2-head Increase operator productivity with base and extend with one or two additional modules anytime in electronic setworks and electric up/down. the future.



2 heads of HR500 shown with Merry-Go-Round



Head Tilt 0°-8°

Produce varied

heads

easily with the tilting

Steel Conveyor Belt

heads.

More durable than

angled final products rubber belts for long

term use.



Centralised Blade **Double Roller Option** The additional rollers Tension and provides the stability Lubrication to handle cants less Each module has centralised than 1.2 m long. blade tension and lubrication for both

HR500 SPECIFICATIONS

Power	
Standard	11 kW electric / per head
Options	7.5 kW electric / per head
Cutting Capacity	
Min. Cant Width	75 mm
Max. Cant Width	300 mm
Max. Cant Height	400 mm
Max. Cant Height	230 mm (with Optional Rollers)
Min. Material Length	1200 mm
Max. Material Length	3.6 m (more tables required for longer lengths)
Min. Cutting Height	6 mm
Max. Cutting Height	200 mm
Max. Cutting Height	180 mm (with Electric UP/DOWN)
Resaw Features & Options	
Standard	11 kW electric motor per head Steel track conveyor (19 cm wide) Hold-down rollers Control stand Centralised blade lubrication (per 2 head module) Centralised blade tension (per 2 head module) Adjustable blade guide arm Adjustable blade guide arm Adjustable guide fence Manual screw up/down
Optional	Additional Top Rollers Multi-Setworks with electric up/down Steel double rollers Cross roller table Idle roller table Merry-go-round System
Belt Speed	0-20 m/min.
Blade	
Length	4010 mm
Width	32-38 mm
Blade Wheel Diameter	600 mm
Resaw Requirements	
Normal power usage	400 V; 50 Hz; 3 Ph
1 head, 2 heads 3 heads, 4 heads 5 heads, 6 heads	25 Amp, 45 Amp (11 kW motor) 70 Amp, 90 Amp (11 kW motor) 120Amp, 140 Amp (11 kW motor)



Discover how Wood-Mizer owners rely on our innovative industrial equipment to produce profits *and* reduce costs to build their bottom line.



A SAWMILL SUCCESSFULLY UTILIZING LOCAL SCOTTISH TIMBER

SCOTTISH WOOD, SCOTLAND

In Dunfermline, a little village north of Edinburgh, Scottish Wood has grown substantially over the past 20 years. They are a social enterprise - a charity which owns a sawmill and supplies local builders with locally grown timber. "We are primarily a hardwood sawmill. We cut homegrown, Scottish grown hardwoods and also some larch and Douglas fir," Jim Birly from Scottish Wood says.

Jim notes that the demand for local and homegrown timber is growing. His customers are now much more aware of the importance of supporting local business and the environment with their timber buying choices. "People now realize, that to buy a piece of wood, actually contributes to woodlands. It doesn't diminish... It means the tree is being used, and that gap is being refilled with more trees," he says. "They like to know that they are contributing to the homegrown market and to the industry." Despite the industry standard of using imported timber, Scottish Wood has demonstrated the viability of using locally grown and harvested timber for their clients, who more and more are looking to support local industry. A contributing factor to their success is their choice of the thin-kerf Wood-Mizer sawmilling equipment that increases recovery from their logs.

"The Softwood industry works on a fairly low recovery rate. It could be even as low as 50%," Jim explains. "We have much higher recovery. I would estimate that we probably have more like 75% percent." Jim is pleased with what Scottish Wood has become. "It feels good to use local resources sustainably, work with a lovely material and with nice people," he says.



EDGERS

EG400 - Extreme edging EG350 - Heavy-duty edging EG300 - Efficient multi-rip edging

For integration with existing wood processing systems or for the expanding sawing enterprise, Wood-Mizer industrial edgers keep your boards moving towards finished lumber, easily integrate into existing operations and have many upgrade options available.

- Lower initial investment
- Thin-kerf blades produce more product
- Options for flexible resaw capabilities
- Integrates easily into sawmill operations

Wood-Mizer[®] INDUSTRIAL EDGERS

EG400EDGES

A VERSATILE INDUSTRIAL-LEVEL EDGER

The EG400 is a rugged board edger that is at home in commercial sawing businesses that require a fast, accurate, and heavy-duty board edger. The EG400 edges material 700 mm wide by 100 mm high at 30 metres per minute, and smaller material at up to 54 metres per minute.

The remote operator's control console manages all edger functions, and can be repositioned as needed. The 22 kW electric motor delivers plenty of power for softwoods and hardwoods. The edger automatically adjusts feed speed depending on the thickness of the board being cut. Two 400 mm blades are mounted on a splined shaft and move in and out from the centre, allowing the use of an optional outfeed board conveyor.

Two lasers are standard on the EG400 for board positioning, and it is equipped with anti-kickback protection and other safety features including a perimeter e-stop cable and electrically interlocked safety covers. The standard infeed table is available with optional rip fences.

An optional tailer outfeed keeps the edged boards moving through the line, while enabling easy waste removal. Optional electronic setworks are available.

22 kW Electric motor Power for softwoods and hardwoods.

console for operator productivity.





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EG400 FEATURES:



Chain Drive Heavy duty chaindrive system for long life and low maintenance.



Anti Kick-Back Fingers Anti kick-back fingers ensure safe operation. reverses the feed



Board Reverse Function Stops the blades and rollers to clear jammed boards.



Safety Stop Safety wire stops machine from 3 different sides.

Two 400 mm

circular blades Move in and out from the centre.

EG400 SPECIFICATIONS

Power	
Standard	22 kW electric
Cutting Capacity	
Max. Feed width	900 mm
Max. Board Width Cut	700 mm
Min. Board Width Cut	76 mm
Max. Board Thickness	100 mm
Min. Board Thickness	25 mm
Min. Board Length	1.1 m
Edger Features & Options	
Standard	2 circular blades Adjustable speed Setworks Infeed and Outfeed Tables
Optional	Set of 2 lasers Additional Infeed table Cant outfeed tailer
Feed System	
No. Of Powered Rollers	4
Feed Speed	0-30 m/min
Blade	
Diameter	406 mm
No. of blades	2
Edger Requirements	
Normal power usage	400 V 50 Hz 3Ph: 70 Amp





Two lasers

the board.

The twin lasers

the most out of

enable the operator to see how to get

Remote operator's Reposition controls in the best location

Wood-Mizer[®] INDUSTRIAL EDGERS

E**G**350 EDGER

LARGE CAPACITY TWIN-BLADE EDGER

The EG350 is a heavy-duty edger that can successfully produce edged boards from larger timbers up to 100 mm thick and maximise the productivity of your sawmill.

Powered in-feed and out-feed belts move boards through the edger. The moveable control console includes a variable feed knob to adjust the feed rate from 0 up to 20 m per minute, depending on the size of the boards being edged.

The EG350 is supplied with two circular sawblades that move in and out from the centre. Each 450 mm cutting blade is powered individually by an 8 kW electric motor – providing lots of power for quickly processing thick hardwood slabs into finished boards.





Twin electric motors 2 x 8kW electric, one for each blade.



EG350 FEATURES:



Setworks Quickly and precisely positions the blades for the correct board size.



2 Circular Blades Two 450mm blades move in and out from the centre of the machine.



Powered feed belts Two steel top rollers and in-feed and boards through the edger.



Laser out-feed belts move the material for maximum recovery.



Sawdust removal Assist the operator in Upper and lower accurately positioning sawdust outlets allow for comprehensive sawdust extraction.

EG350 SPECIFICATIONS

Power		
Standard	2 x 8 kW electric motor for each blade	
Cutting Capacity		
Max. Feed width	500 mm	
Max. Cutting width	400 mm	
Min. Cutting width	60 mm	
Max. Cutting thickness	100 mm	
Min. Cutting thickness	15 mm	
Min. Board Length	1100 mm	
Edger Features & Options		
Standard	2 circular blades Adjustable speed Set of 2 lasers Setworks Infeed and Outfeed Tables	
Feed System		
No. of Powered rollers	2	
Feed speed	0-20 m/min	
Blade		
Diameter	400 mm	
No. teeth	36	
Kerf	4 mm	
No. blades	2	
Blade thickness	4 mm	
Edger Requirements		
Normal power usage	400 V 50 Hz 3Ph: 70 Amp	



W_M

Wood-Mizer[®] INDUSTRIAL EDGERS

EDGER

A VERSATILE INDUSTRIAL-LEVEL EDGER

The EG300 combines the functions of both an edger and a multirip into one machine. The EG300 maximises recovery from each board and increases overall productivity of your sawmill by 20-30%.

As standard, the EG300 is supplied with two circular sawblades for use as an edger. One blade is fixed and the other is adjustable from the operator control console - using the electronic Setworks system to accurately pre-set the required width of the board. Optional lasers can be installed to assist the operator in determining the precise width for maximum recovery.

> The EG300 comprises three main components - the main saw unit, the infeed table and the outfeed table. This modular construction ensures easier transportation, handling and installation. Two top rollers make it easy to move a board back to the front of the edger for a return pass. An adjustable fence allows the operator to quickly position boards with an already straight edge.





15 kW

Laser Kit Optional lasers allow ideal positioning of the material for maximum recovery and time savings



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EG300 FEATURES:



Electric motor Top rollers (18.5 kW optional) second pass.



Powered Rollers Make it easy to return boards that require a surface.



Standard Setworks Full width steel rollers Rugged electronics grip wet boards firmly quickly position without damaging the the adjustable blade to precise measurements.



Adjustable Fence already have one straight edge.



2 Circular Blades Allows you to quickly One fixed and the position boards that other fully adjustable.



Multi-rip Blade Kit Add three additional blades for full function multi-rip capability.



Sawdust **Collection Box** contains the sawdust and has three 150 mm outlets. A large, easily accessible door allows removal of trimmings and slivers that can potentially 'nest' and cause a blockage.



Infeed Table



Outfeed Table



EG300 SPECIFICATIONS

Power	
Standard	15 kW electric
Optional	18.5 kW electric
Cutting Capacity	
Max. Feed width	550 mm
Max. Cutting width	410 mm
Min. Cutting width (edging)	60 mm
Min. Cutting width (mutirip)	20 mm
Max. Cutting thickness	60 mm
Min. Cutting thickness	10 mm
Min. Board Length	700 mm
Edger Features & Options	
Standard	2 circular blades - Edger Adjustable speed Setworks Infeed and Outfeed tables
Optional	5 circular blades - Multirip Set of 2 lasers Cant outfeed tailer Sawdust Collection Box
Feed System	
No. of Powered rollers	4
Feed speed	0-20 m/min
Blade	
Diameter	350 mm
No. teeth	24
Kerf	4 mm
No. blades	2 standard, max 5
Blade thickness	3.2 mm
Edger Requirements	
Normal power usage	400 V 50 Hz 3Ph: 70 Amp

THE WM4000 WITH ADVANCED AUTOMATION TO MAXIMISE LOG YIELD AND MINIMISE **OPERATIONAL COSTS**

The WM4000 system:

- Costs less than similar lines.
- Requires low installation costs and requirements.
- Produces less waste and more product.
- Lowers power consumption.
- Is inexpensive to maintain.





SYSTEM EQUIPMENT IN USE:



WM4000 or WM3500

Incline Convevo



MATERIAL HANDLING

Log Ramp Incline Conveyor **Transfer Table** Log Deck Pantograph Merry-Go-Round

All that lumber has to go somewhere, and it must do it quickly and efficiently. Wood-Mizer's industrial material handling equipment will get your lumber to the right place.

- Solid equipment that is built to last
- Integrated into headrig operations
- Single supplier for your entire system

Wood-Mizer[®] MATERIAL HANDLING

LOG RAMP

Designed to make loading the log deck with a forklift easier and more efficient. It also increases log capacity on the deck, thus minimising loading runs.

INCLINE CONVEYOR (CB3)

The conveyor is designed to mate with Wood-Mizer headrigs in dimension and the belt speed matches the return speed of the WM3500 and WM4000. As the cut piece is pushed off the mill, the conveyor receives it and transfers it away at a slight incline.







TRANSFER TABLE (TD2)

This table is a brilliantly simple way to transfer material quickly and efficiently. After the material moves onto the rollers from the Incline Conveyor, a sensor activates an air bag which is connected to a set of inclined cross transfer rollers. The cut piece then rolls down the incline to a stop location, or onto another conveyor. Alternatively, the sawyer or other operator can activate pneumatic kickers to push the piece off the opposite side. There are no chains, gears, or motors, which makes operation simple with little maintenance. The Transfer Table can be set up for either right or left hand operation.





W_M

LOG DECKS (LD2)

Logs can be staged on the Log Deck, and fed forward one at a time onto the sawmill. The loading arms ensure only one log is transferred at a time. The sawmill operator controls the Log Deck from the Operator Station. The Log Deck is available in two lengths (3.6 m or 6 m long) and two widths (1.55 m and 3.3 m).







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PANTOGRAPH WM3500/WM4000

Keeps all cables that run from the sawmill to the operator's station away from sawdust and debris, resulting in troublefree operation.

MERRY-GO-ROUND

The optional Merry-Go-Round really allows you to benefit from the high production levels that are achievable with the resaws.

The infeed and outfeed operators are able to keep the resaw sawing with closely stacked cants for the full shift with minimum effort. The Merry-Go-Round system was designed with shorter length pallet wood in mind, but has also been used with longer cants for resawing building timbers and long boards.

The Merry-Go-Round automatically feeds uncut cant portions through the resaw. It reduces labor costs by eliminating up to two men and makes true one-man operation possible. Individually matched to each resaw unit.



PANTOGRAPH

SHARPENERS & SETTERS

Wood-Mizer has been producing blades and blades maintenance equipment specifically for sawmill applications since 1987. With ISO 9001 certification since 2003, quality control systems are strictly adhered to at each stage of blade production. Blade quality is carefully monitored. Our exclusive CBN sharpening and computerised setting equipment ensure that Wood-Mizer blades meet the highest standards.



BMS500 / BMS600 – PROFESSIONAL BLADE SHARPENERS

The BMS500 and BMS600 sharpeners are designed to suit the requirements of high-production sawmills that sharpen blades continuously. It features industrial-grade construction, and automatic features that let you focus less on sharpening blades, and more on being efficient with your time. Designed by professional blade maintenance experts for quality and production, the BMS500 is the ultimate band blade sharpener on the market today.



BMT200 – DUAL TOOTH SETTER/MANUAL CRANK

Set both sides of your blade at the same time easily with the manual BMT200 toothsetter, which will help you extend your blade's sharp life and get the most accurate cut of timber. The BMT200 is designed for affordable blade tooth setting. One turn of the crank sets two teeth and moves the blade forward at the same time.



BMT250 – DUAL TOOTH SETTER / WITH ELECTRIC FEED SYSTEM

The BMT250 dual toothsetter semi-automatically sets of both sides of your blades with high quality and efficiency. The BMT250 is equipped with electric power feed that keeps the blade moving smoothly forward until all teeth are set.



BMT300 – AUTOMATIC TOOTH SETTER/SINGLE

The BMT300 is designed as the toothsetting companion for the BMS500 blade sharpener for companies with multiple band sawmills in operation as well as for ReSharp service centres whose business is based on blade maintenance.

BLADES

Sawmill users in more than 100 countries depend on Wood-Mizer's wide range of blades to cut their timber. For many species of logs, specialized blades are needed for the best cutting performance.

Whether your needs are small or large, Wood-Mizer blades are affordable and deliver excellent performance. Blades can be ordered in any custom length. Wood-Mizer blades come in five distinct brands: RazorTIP, BiMETAL, MaxFLEX, DoubleHARD and SilverTIP.













INDUSTRIAL SAWMILLS AND WOOD PROCESSING EQUIPMENT



from forest to final form

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