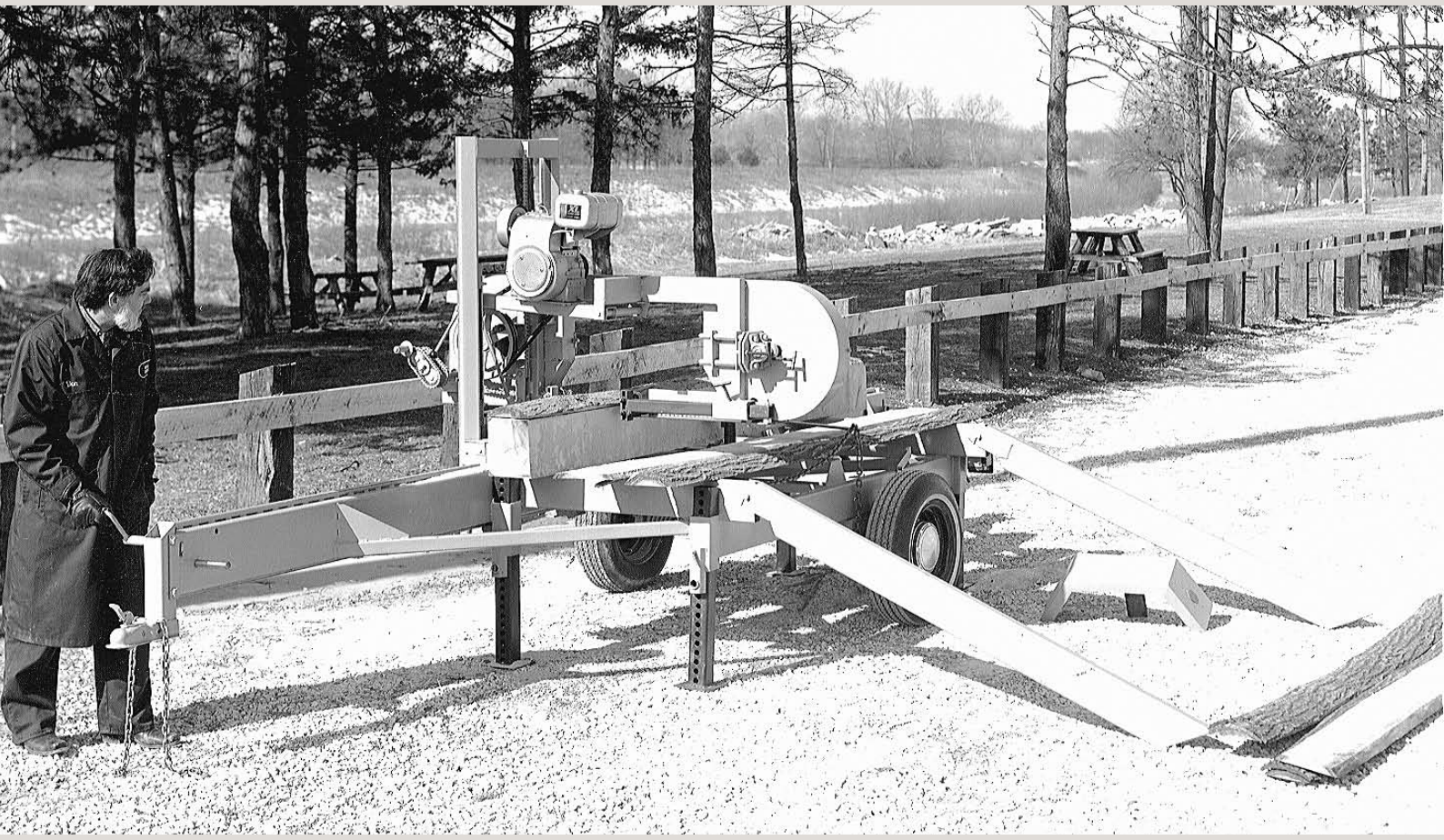
Wood-Mizer®

WORLD'S FINEST SAWMILLS and Wood Processing Equipment

Why Wood-Mizer®?

At **Wood-Mizer**, trust is more than just a word. It's a way to do business.
It embodies all of the qualities that make **Wood-Mizer** a leader in the wood products industry.
The **Wood-Mizer** staff places a high priority on building relationships with customers
so they feel comfortable making this important investment in their future.



Wood-Mizer® ***The essence of sawmilling***

ABOUT Wood-Mizer®

The Green in Wood-Mizer

Today, we hear a lot about being "green" and making better choices for our world. Wood-Mizer has always emphasized being good stewards of the environment. In fact, that is exactly what our founders set out to do with our thin-kerf, portable sawmills. Consequently, a number of tangible and measurable environmental benefits are realized by utilizing thin-kerf sawmills.

Carbon Footprint

No doubt there is some controversy regarding greenhouse emissions and global warming. However, most agree that where greenhouse gases can be reduced with little difficulty or expense, they ought to be. Portable sawmills play an important role in some of the carbon mitigation strategies many believe to be critical in reducing atmospheric carbon. For example, portable sawmills often utilize raw materials that otherwise would be left to rot, burn or, at best, processed into chips; all of which eventually release significant amounts of carbon into the atmosphere. By converting these materials into lumber, the durable wood products sequester the carbon and thereby minimize contributions to atmospheric greenhouse gasses.
Additionally, the lumber recovered from this type of material reduces the need for additional harvest from standing forests.
The forests allowed to remain standing continue to "scrub" carbon from the air and release oxygen further contributing to atmospheric health, not to mention the reduction in emissions associated with harvesting and processing the trees.

Increased Yield

The utilization of thin kerf technology also increases the amount of lumber produced from a given volume of logs. Thin kerf sawmill operators often report yields above scale ranging between 30 and 200 percent depending on the length and quality of logs being processed. By producing more lumber and less sawdust from a log even more carbon is sequestered. This technology not only allows woodland owners an option for a more profitable business but also enhances the environment. Land best used for growing trees is optimized by managing not only for greatest income but to enhance wildlife habitat, provide watersheds for improving water quality and contribute to atmospheric health.

This information is taken from a published article written by Jack Petree who is a freelance writer that focuses on environmental issues.

We know the busines

„We don't understand at all that there is a crisis now. We advertised just twice in May 2009 and the sawing order book has been full since"

Rainer and Natali, Saaremaa Island, Estonia

In the normal run of things, Finnish Laplander Samuli Luksua uses his LT40 to process pine logs into material for cabins. But for Finland's Snow Show near the Arctic circle he switched raw materials to one without knots or grain – ice! He cut 500 tonnes of it in 14 days. Most was used to create dramatic sculptures including Penal Colony 2004 designed by Arat Izozaki and Yoko Ono. It's not what the Wood-Mizer band sawmill is designed for but it demonstrates its ruggendness and versatility.

Samuli Luksua, Finland

ss of sawmilling, not just the production of sawmills.

Adding Value / Building Businesses

„The new LT15 band sawmill has in effect enhanced the quality of the wooden components in our boats, cut costs a bit and definitely extended the educational programme. We like to buy timber 'in the round' because it stays greener longer, it's easy to saw boards from it at short notice, it costs less and importantly, students witness the entire conversion process, except felling."

Nat Wilson, director, International Boatbuilding Training College, Oulton Broad, Suffolk, UK

Until recently the facility had only 2 Wood-Mizer sawmills, and production was a bottleneck with production limited to about 12 000 m^2 of flooring a month. In January 2004 Mr Vladimir bought one more Wood-Mizer LT40 and production has increased to 18 000 m^3 – a 50% increase.

Vladimir Becar, Slovakia

„We continually have people visit our building site and they cannot believe how tight the logs fit and the quality of the dimension lumber we have cut with our Wood-Mizer. The Wood-Mizer is the best investment I have made in a long time."

Phil Hamilton, Colorado

„Kinshasa is an unlikely location for a parquet producer but Simba Parquet certainly flourishes since a Wood-Mizer LT70 appeared here and our production process become fully controlled 'from log to final form' "

Simba Parquet, Kinshasa, Kongo

„The band sawmill has become a good partner and the pivot of our small timber processing operation, which thankfully has enabled us to beat the trend in Swedish wood operations lately."

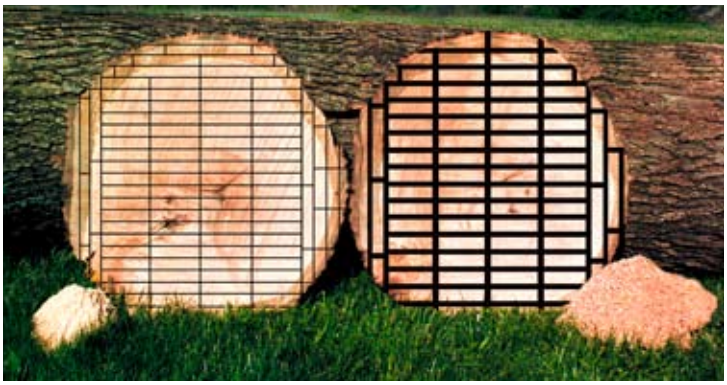
Bo Werkströms, Sweden

A GROWING CONCERN

As our name „Wood-Mizer" would suggest, we are aware that it is our responsibility to utilize our forestry resources wisely. We cannot eliminate the world's growing need for lumber in the foreseeable future, so we must get the most from every tree that's harvested. Wood-Mizer's thin kerf makes it the best method available today to efficiently harvest timber – especially over the 6mm-9mm kerf of circular mills. Our larger production mills, such as the LT40 Series, can produce as much lumber per person per day as many of the largest production mills around – and use a third fewer logs in the process.

MORE QUALITY LUMBER PER LOG

It's easy to see the difference in output of a Wood-Mizer over a circular mill. We're in the business to give you true, accurate lumber – not sawdust. You make more boards out of each log and use less horespower, less fuel, less effort, and fewer logs to produce the same amount of lumber.



Wood-Mizer Yield	Circular Mill Yield
(0.68 m³)*	(0.43 m³)*

* 61 cm x 3 m log size

Even compared to wide bandsaw mills the Wood-Mizer narrow band technology gives a higher yield of sawn timber per cubic meter of log.

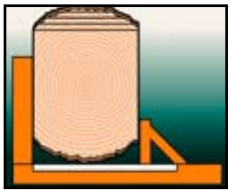
Nothing cuts like a *Wood-Mizer*

Turning Logs into Lumber is Simple

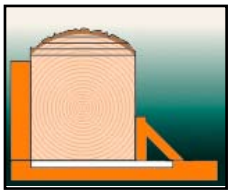
The first cuts are made across the top of the log. The first cut produces a slab piece and additional cuts produce „flitches" or boards with bark on both sides.

In this illustration, the log has been rotated 180° to sit on the first flat that was made. There are now two parallel flats. Some people stop with this cut to make logs for a home.

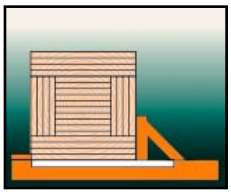
By rotating the log and clamping one of the flats against the adjustable perpendicular side supports, a third flat can then be cut. Once the bark is removed, each cut will produce a finished, edged board.



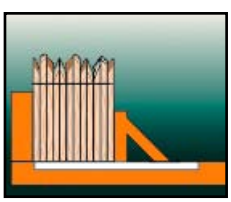
If you flip the log over, a final flat can be cut to square the log into a cant. From here there are several options as to how the cant is cut into lumber.

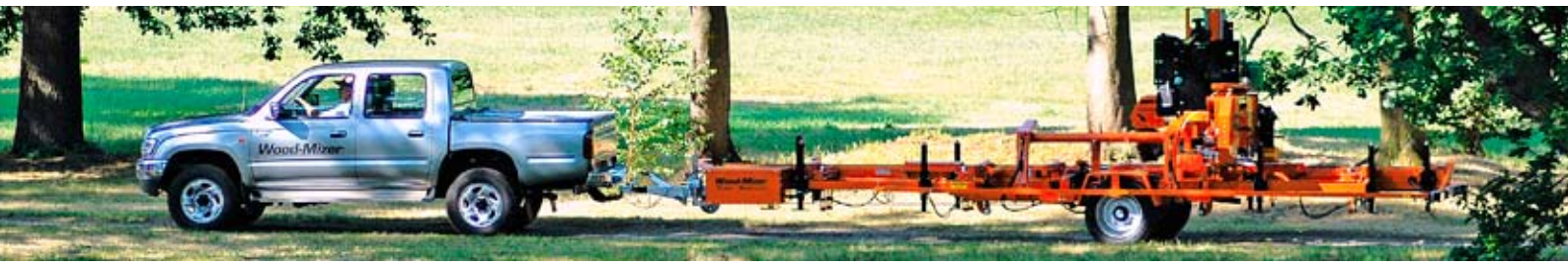


„Cutting for grade" is a term used for sawing hardwood logs to produce the maximum amount of high-grade lumber. This involves rotating the cant to make your cuts on the clearest and widest face.



Edging lumber is an easy task on the Wood-Mizer. By standing any number of boards on edge, cuts can be made to any desired width.





10 Things to Consider Before Buying a Sawmill

1. **See it in action.** You wouldn't buy a car without a test drive. The same principle applies to sawmills.

2. **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.

3. **Ask about expertise.** Find out how many band sawmills the company has made. There's no substitute for experience in designing a quality sawmill.

4. **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.

5. **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.

6. **Compare warranties.** You're buying machinery. Parts will wear out over time. Make sure you're covered well.

7. **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.

8. **A mill for all Seasons.** Is the mill capable of operating effectively in all conditions and timber types.

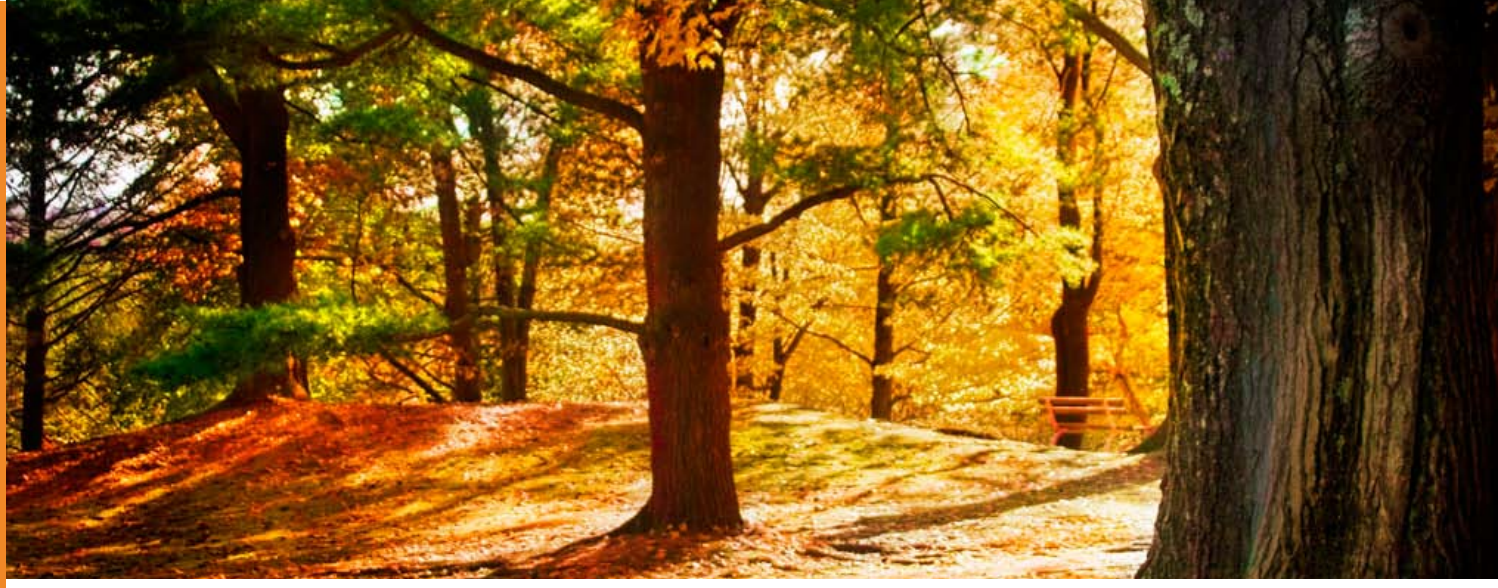
9. **Safety.** Has the mill been designed with safety of the operator and offbearers in mind? Does the blade come to a halt between cuts – minimising the risk of accident to people and equipment?

10. **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.

DECISIONS, DECISIONS

SEGMENTED BED SAWMILLS

Performance Specifications	LT10	LT15	LT20B
Max. Log Capacity	70 cm dia.	70 cm dia.	80 cm dia.
Throat Capacity	up to 64 cm wide	up to 64 cm wide	up to 65 cm wide
Length of bed	5.4 m (3 bed standard)	5.2 m (2 segments 2.7 m each) 5.4 m (3 segments 1.95 m each) 7.9 m (3 segments 2.7 m each)	LT20B2: 4.8 m LT20B3: 6.8 m LT20B4: 8.8 m
Log Handling	Manual	Manual	Manual
Head Drive	Manual Crank	Power Up/Down Optional Power Feed	Power Up/Down Power Feed
Power Options	5.5 kW Electric	10 HP Diesel 15 HP Gas 7.5 kW Electric	22 HP Diesel 25 HP Gas 11 kW Electric
Standard Features	• Manual Blade Guide Arm	• Manual Blade Guide Arm	• Electric Blade Guide Arm • Roller Blade Guides • SW Setworks
Typical Options	• Loading Ramps • Log Wedge • Bed Section: 1.95 m	• SW Setworks • Debarker – AC models only • Loading Ramps • Log Wedge • Trailer Package • Bed Section: 1.95 m or 2.7 m	• Debarker • Loading Ramps • Remote Operator Station • Wireless Remote • Bed Section: 2.00 m

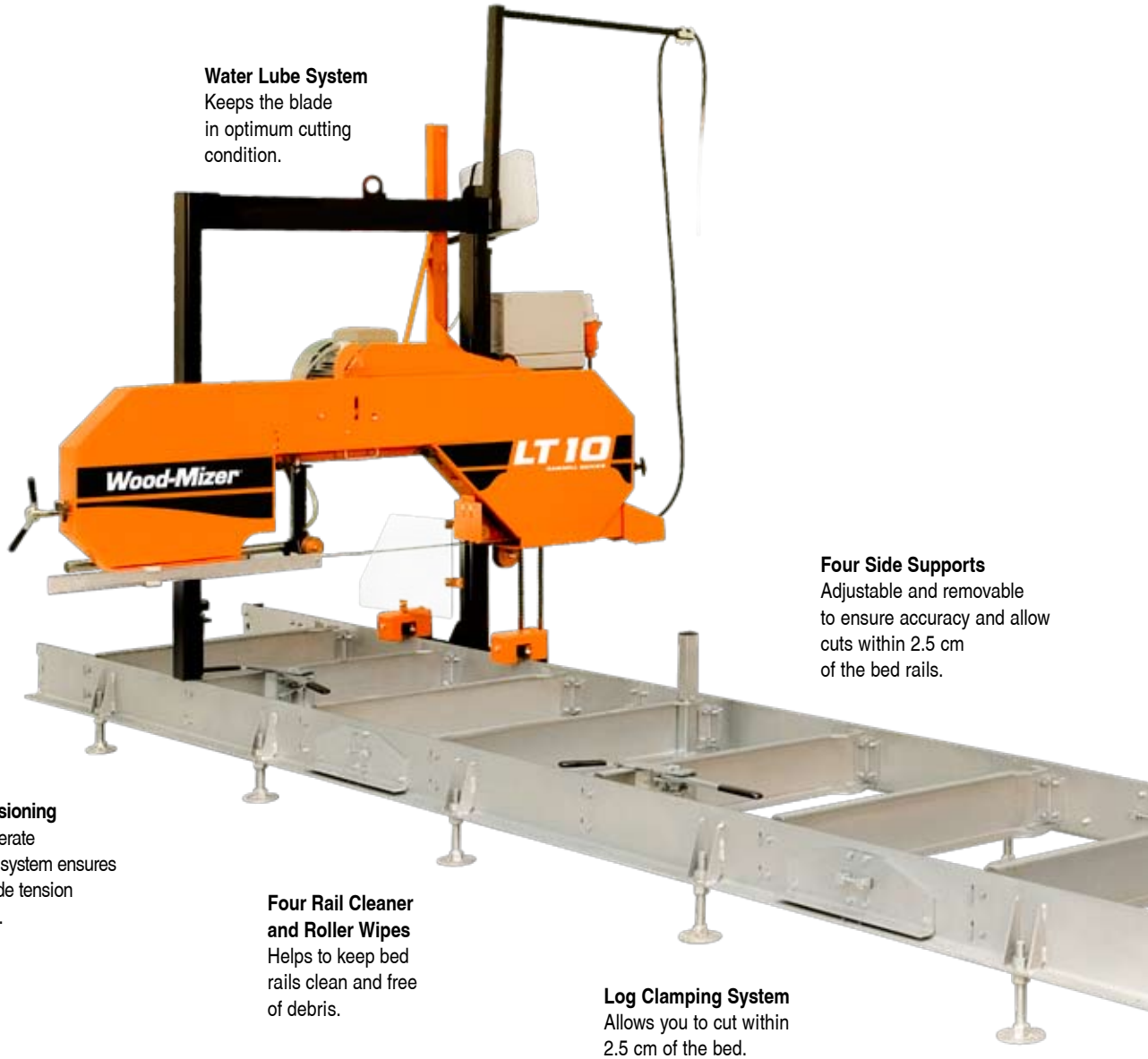


SEGMENTED BED SAWMILLS

Wood-Mizer®

LT10

Water Lube System
Keeps the blade in optimum cutting condition.



Four Side Supports
Adjustable and removable to ensure accuracy and allow cuts within 2.5 cm of the bed rails.

Blade Tensioning
Easy to operate tensioning system ensures correct blade tension at all times.

Four Rail Cleaner and Roller Wipes
Helps to keep bed rails clean and free of debris.

Log Clamping System
Allows you to cut within 2.5 cm of the bed.

5.5 kW Electric engine
Plenty of power from a name you can trust.

Safety
Safety switch ensures that the blade only turns when the handle is pushed down.

Accurate and Quick Head Adjustment
Easily adjust for thickness of cut and simply locks in place to ensure accurate cuts.

Blade Guide Arm
Easily adjusts blade guide roller to be close to the material to be cut – ensuring accurate cuts every time.

LT10 Ultra Compact Sawmill for the Needs of Hobby Sawyers

A complete package ready to saw.

The LT10 is a compact hobbyist mill operated with an easy hand push feed system. It features a 5.5 kW electric engine with a gravity lube system. The base mill has the capacity to handle 70 cm diameter logs by 5.4 m long as standard.
A space saving feature of the LT10 is that it can be dis-assembled and stored in your garage or outbuilding.

The Wood-Mizer LT10 is designed as an entry level mill for the weekend sawyers who love the idea of cutting their own lumber but want to minimize their investment.

As with all our mills, the LT10 is backed with the same legendary service, quality and safety features shared by the rest of the family of Wood-Mizer mills.

LT10 with electric engine and segmented bed

Log Wedge
The log wedge allows you to level tapered logs to ensure maximum recovery.

2 Optional Loading Ramps

LT15

Debarker
Every LT15 comes prewired and ready to fit the optional debarker, which extends blade life by pre-cleaning the log (AC models only).

LT15 sawmill with diesel engine and trailer package

Head Operation
Both the DC and the AC mills feature power up/down and a simple hand crank system for the feed.

Optional Power Feed
Electrical forward and back movement of the head. Better efficiency production throughput.

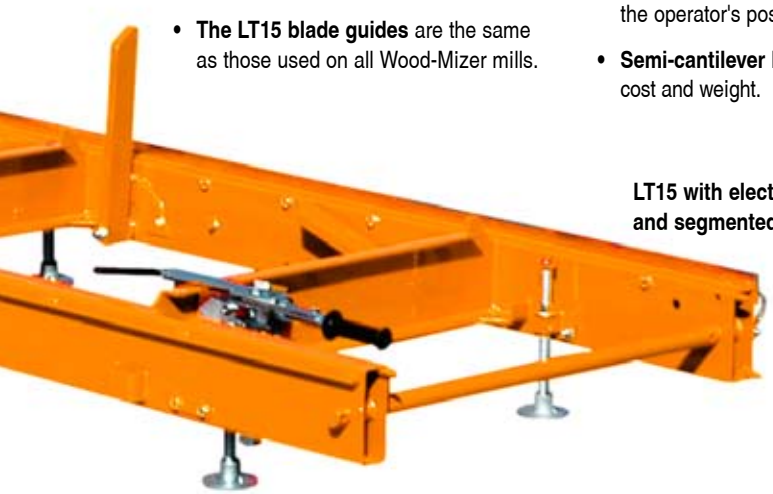
Compact and Versatile – LT15

„Keep it simple" said our President, and that's exactly what our engineers did. They took proven Wood-Mizer technology (used in over 35,000 sawmills worldwide!) and put it in the most affordable package yet.
The LT15 offers genuine Wood-Mizer performance at an unbelievable price. Using the same blades and blade guide systems as our more productive models, this compact powerhouse can cut logs up to 70 cm in diameter and 5.4 m long in its standard form. Extra bed sections are available which allow virtually unlimited log length.

Whether you want high-quality hardwood lumber for your own fine cabinets and furniture or just plan to harvest a few trees around the farm for buildings and fencing materials; there's NO better saw for the money than the LT15.

The LT15 is often used by farmers and Estate Owners to convert small volumes of their own timber for local use. Increasingly, due to its enhanced features it is also used in multiple shift production environments.

- **Up/Down**
  All LT15's now come equipped with power up/down as standard.
- **Large throat capacity** allows cuts up to 64 cm wide.
- **The LT15 blade guides** are the same as those used on all Wood-Mizer mills.
- **The LT15 clamping system** enables you to cut within 2.5 cm of the bed.
- **The manual blade guide arm** gives maximum blade stability in any situations. It is easily adjustable from the operator's position.
- **Semi-cantilever head** lowers both cost and weight.
- **Quick-detach Head/mast** to reduce lifting weight.
- **Twin-rails** that rest on the ground, with integral levelling system.
- **Loading ramps and cant hook** come as optional accessories.



LT15 with electric engine and segmented bed

SW Setworks
Optional SW setworks increases productivity and accuracy using rugged electronics to quickly position the head for the next cut.

Log Clamp
The adjustable clamp holds the log or cant securely and allows you to cut to within 25 mm of the bed.

Adjustable Side Supports
The adjustable side supports secure the log or cant during cutting and ensure accurate dimensions.

Log Wedge
The log wedge allows you to level tapered logs to ensure maximum recovery.

LT20B

Cantilevered head
Assures fast setup, easy levelling, and accurate cuts.

Debarker
The LT20 sawmill comes prewired and ready to fit the optional debarker, which extends blade life by pre-cleaning the log.

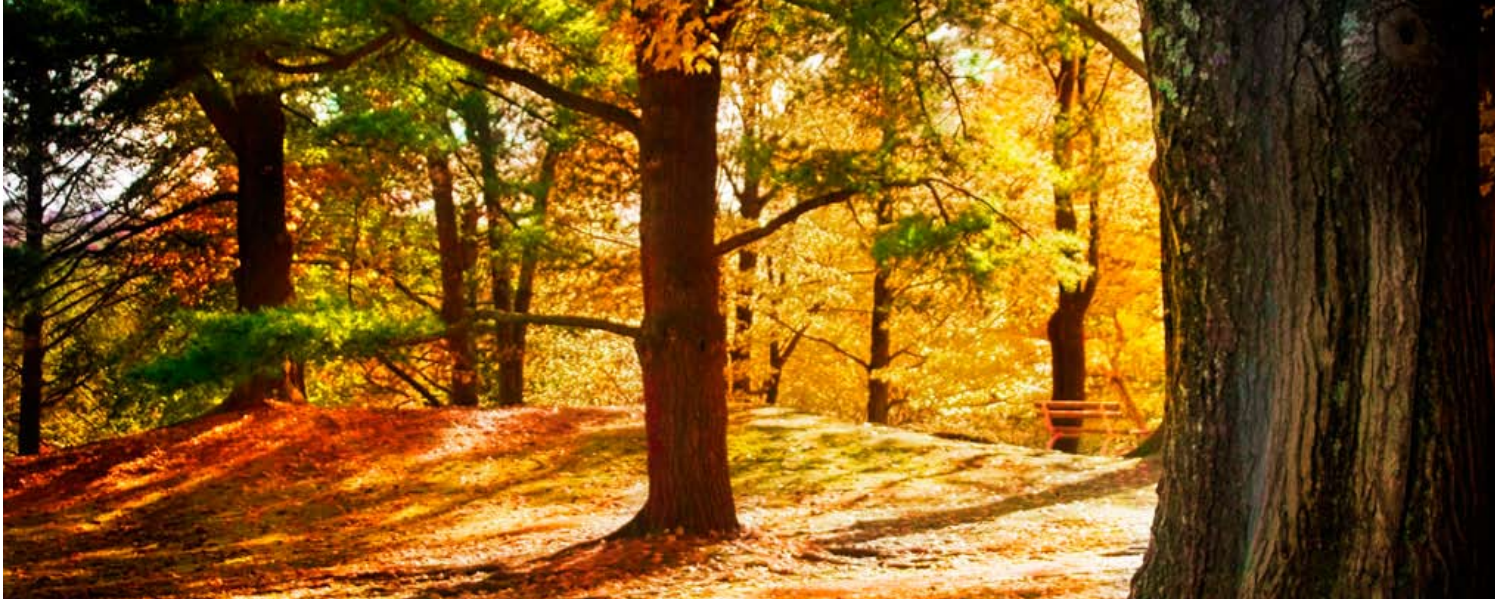
Electric Blade Guide Arm
Easily operated from the main control panel.

Loading Ramps
(optional equipment)

LT20B sawmill with gas engine

11 kW Electric engine
Plenty of power from a name you can trust.

SW Setworks
Increases productivity and accuracy using rugged electronics to quickly position the head for the next cut.



The LT20B – the LT20 head with the new "B" bed version.

The new “B” bed has been specially designed, following feedback from our customers, to allow for simplicity of installation, operation and modularity of length of cut. By simply adding or removing bed modules you can quickly and easily extend or shorten the cutting length to suit your order requirements.

We have modified our LT20 head to be used with the “B” bed – thus creating the LT20B. There are no compromises – all of the standard and optional features of the LT20 head are still available.

The LT20B combines a well proven cutting head with all of the features needed for accurate, efficient and productive work, with the rugged simplicity of the B bed.

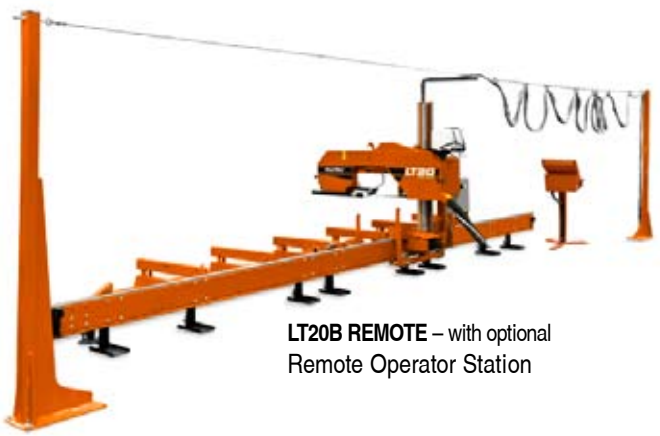
A further advantage of the B bed is to more easily and cost effectively practice a method of sawing that is already commonly used by many of our standard bed owners. By adding enough additional sections to be able to load two logs onto the bed end-to-end, you can have one sawyer cutting each log in rotation. The operator doesn’t stop after the first log is sawn but continues with the second as the assistant removes boards from the first and prepares it for the second stage. This cyclical process is continued thus maximising the time that the head is actually cutting wood, and maximising the utilisation of the assistants.

LT20B with electric engine and segmented bed

Side Supports
Manually adjusted side supports help to secure the log during cutting.

Manual Log Clamp
The adjustable clamp holds the log or cant securely and allows you to cut to within 25 mm of the bed.

Manual Toeboards
Mounted on the sawmill bed's front and rear cross members, the toeboards enable you to lift either end of a tapered log by hand crank.



LT20B REMOTE – with optional Remote Operator Station

CLASSIC BED SAWMILLS

Performance Specifications	LT20	LT40	LT70
Max. Log Capacity	80 cm dia.	90 cm dia.	95 cm dia.
Throat capacity	up to 65 cm wide	up to 72 cm wide	up to 73 cm wide
Length of bed	S bed: 4.8 m M bed: 6.1 m L bed: 8.4 m	S bed: 5 m M bed: 6.3 m L bed: 8.6 m	S bed: 4.8 m M bed: 6.1 m L bed: 8.4 m
Log Handling	Manual Hydraulic Super Hydraulic (M bed) AC	Manual Hydraulic Super Hydraulic (M bed)	Manual Hydraulic Super Hydraulic (M bed)
Head Drive	Power Feed & Up/Down	Power Feed & Up/Down	Power Feed & Up/Down
Power Options	22 HP Diesel 25 HP Gas 11 kW Electric	42 HP Turbo-Diesel 33 HP Diesel 28 HP Gas 18.5 kW Electric 15 kW Electric 11 kW Electric	42 HP Turbo-Diesel 18.5 kW Electric 15 kW Electric 11 kW Electric
Standard Features	• Electric Blade Guide Arm • Roller Blade Guides • SW Setworks	• Electric Blade Guide Arm • Roller, Single Block Blade Guides • SW Setworks	• Electric Blade Guide Arm • Roller, Double Block Blade Guides • PLC Setworks or Accuset • Auto Clutch (DC only) • LubeMizer
Typical Options	• Debarker • Wireless Remote • Trailer Package • Bed Extension: 1.8 m or 3.6 m or 7.2 m	• Super Hydraulic Package for M beds (42 HP and AC models only) • Debarker • Auto Clutch (DC only) • LubeMizer • Wireless Remote • Hold Down Clamps • Trailer Package • Bed Extension: 1.8 m or 3.6 m or 7.2 m	• Super Hydraulic Package for M beds (42 HP and AC models only) • Debarker • Wireless Remote • Hold Down Clamps • Trailer Package • Bed Extension: 1.8 m or 3.6 m or 7.2 m

CLASSIC BED SAWMILLS

Wood-Mizer®

LT20

LT20 sawmill with gas engine and trailer package

Standard Equipment

SW Setworks
Increases productivity and accuracy using rugged electronics to quickly position the head for the next cut.

Simple and Affordable

If you want more flexibility to tackle the more demanding job, the LT20 has the features that you need.
The LT20 (and LT20B) is the first of our range of mills to feature the cantilevered head design which allows fast accurate set-ups in any conditions.

Standard power up/down and power feed on the head further increases productivity and control of the cutting process.

The bed is our well proven single rail design providing rigidity and strength and easy access to the log for handling.

Optional Manual hydraulic log loading makes loading even the largest logs safe and easy, and the addition of the optional winch operated log turner facilitates the handling of large logs.

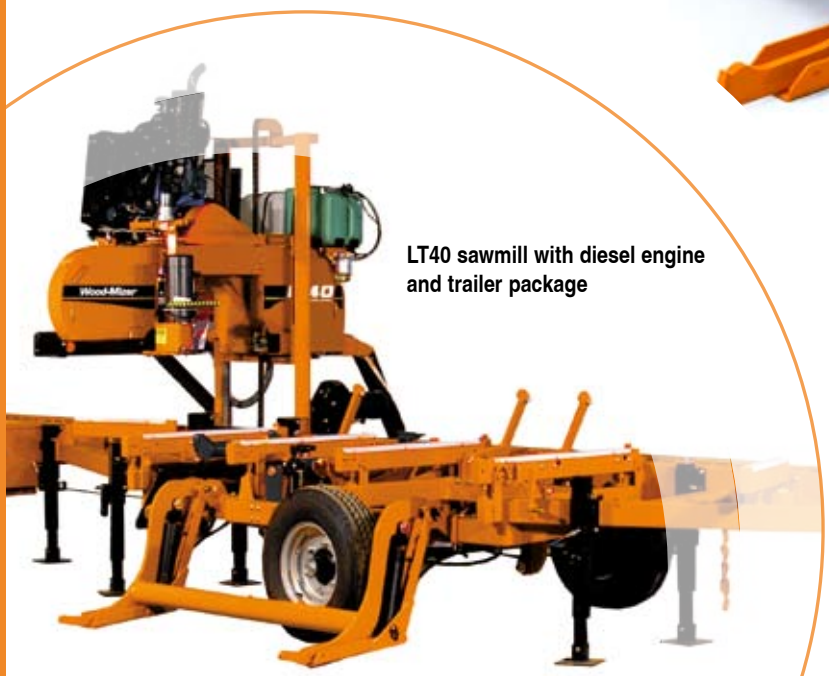
From small individual projects to a small business operation the LT20 provides the tool that you need for success.

The LT20 is ideal for start-up businesses and small workshops who want the higher level of productivity that the LT20 can provide, but don't need the productivity of the LT40 and LT70.

LT20 stationary sawmill with electric engine and hydraulic log handling

- **Cantilevered head:** Assures fast setup, easy levelling, and accurate cuts.
- **Main bed torque tube:** The same frame used on all Wood-Mizer professional sawmills.
- **Four main bed supports:** Adjustable to assure accuracy.
- **Electric Blade Guide Arm:** Easily operated from the main control panel.
- **Heavy-duty adjustable board supports:** Supports swing out from the main bed rail to help hold long cants, beams, or boards on a flat plane while cutting.
- **Main rails:** Induction-hardened, precision steel rods welded to the top and bottom of the 10 cm x 20 cm torque tube of the main frame.
- **Stainless steel bed sleeves:** Protects the saw bed from wear and also prevents staining of hardwoods.
- **Water lube system:** Keeps the blade in optimum cutting condition.
- **Side support:** Manually adjusted side supports help to secure the log during cutting.
- **Trailer package:** Includes adjustable outriggers as standard with fully complient trailer specifications.

LT40



LT40 sawmill with diesel engine and trailer package

Standard Equipment

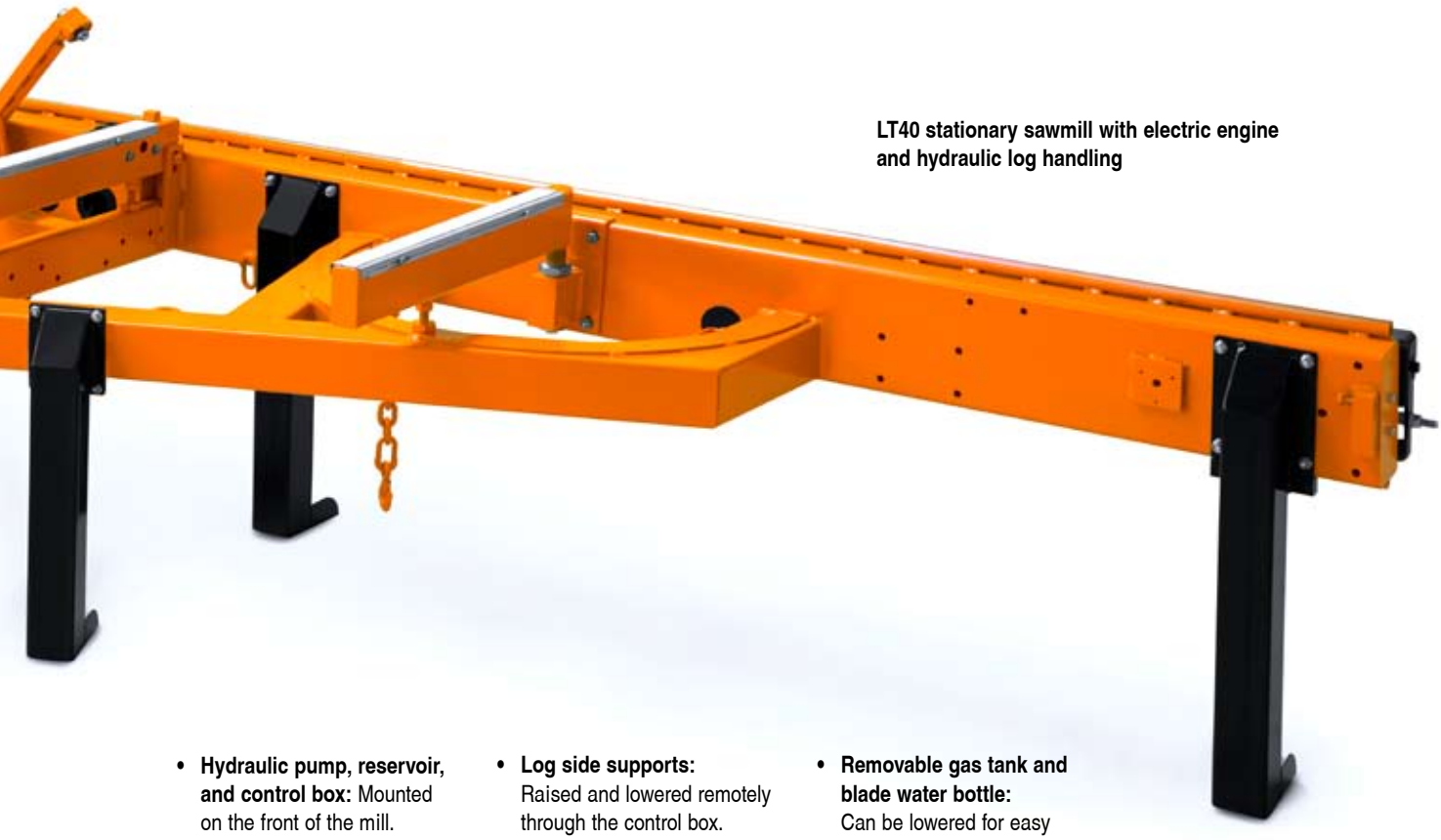
SW Setworks
Increases productivity and accuracy using rugged electronics to quickly position the head for the next cut.

The Mill that Started it All

The LT40, with many thousands out in the field, is the real workhorse of our range of sawmills particularly for the mobile operator who concentrates on custom cutting for his income. The LT40, as with all our mills, can be used in stationary applications and many of our owners throughout Europe use these mills in multiple shift operations clocking up tens of thousands of hours.

With a wide range of engine, log handling and control options we can tailor-make a mill to your exact requirements.

The LT40 mills are primarily owned by individual entrepreneurs and privately owned businesses whose source of income is derived from their sawing operation.



LT40 stationary sawmill with electric engine and hydraulic log handling

- **Hydraulic pump, reservoir, and control box:** Mounted on the front of the mill. All hoses are mounted inside the main bed tube. (No second engine required)
- **Centralized cutting controls:** Located on central console. Includes head movement and blade guide arm in-out. Optional: AutoClutch, LubeMizer, debarker, and LaserSight.
- **Log side supports:** Raised and lowered remotely through the control box.
- **Cantilevered head:** Assures fast setup, easy leveling, and accurate cuts.
- **Adjustable Outriggers:** Fine adjustable outriggers fitted as standard on mobile mills – allowing fast and precise set-up which ensures accurate cutting.
- **Removable gas tank and blade water bottle:** Can be lowered for easy access to mill.
- **Trailer package:** Includes adjustable outriggers as standard with fully complient trailer specifications.
- **Stainless steel bed sleeves:** Protect the saw bed from wear and also prevent staining of hardwoods.
- **Roller/block blade guides:** Ensure accuracy, blade stability and increased blade sharp life.

LT70

LT70 sawmill with diesel engine and trailer package

Standard Equipment

PLC Setworks
(for more details, please see page 42)

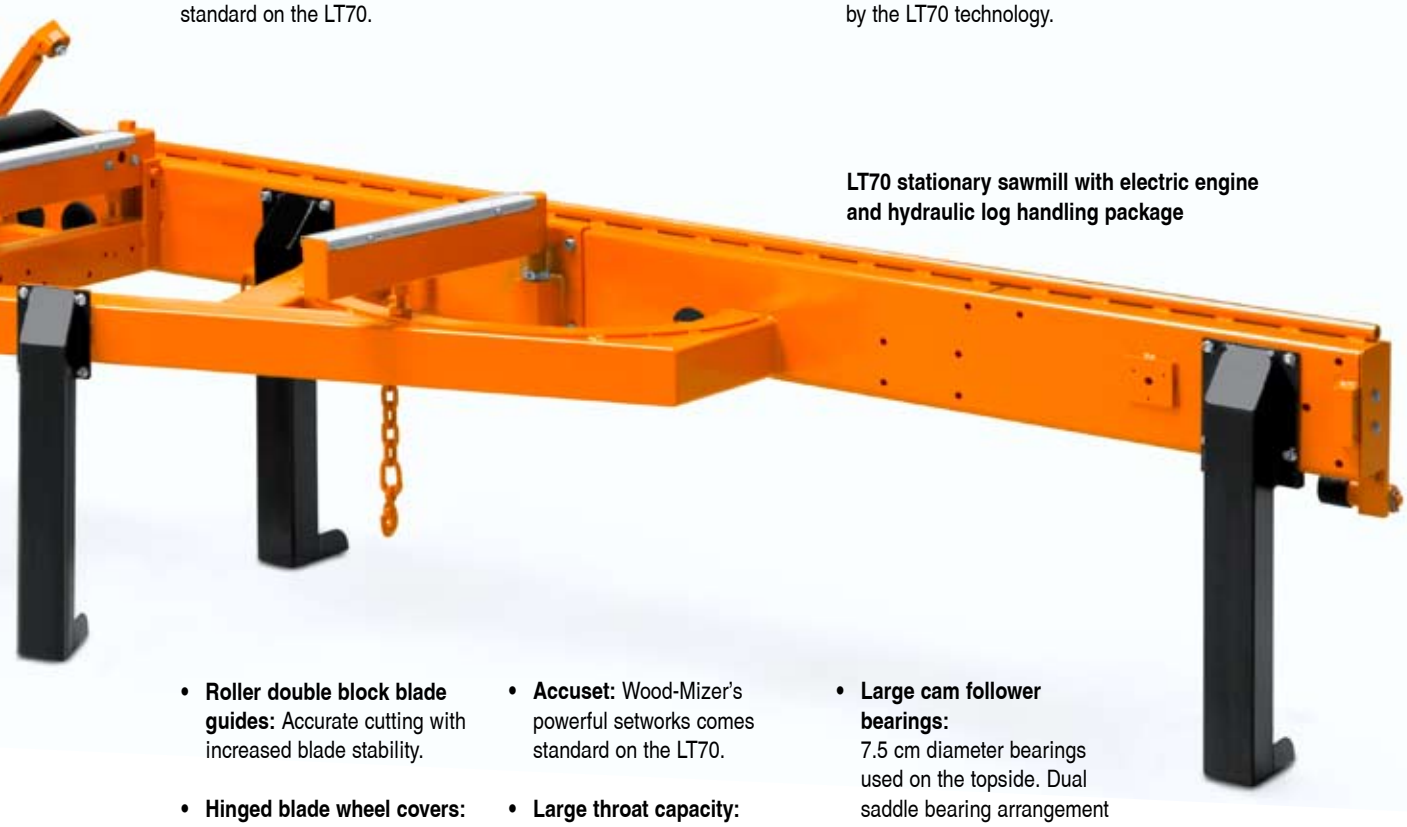
High Capacity Sawmilling

The LT70 has been designed to meet the demands of the modern log processing plant. The head is constructed to be exceptionally durable and dependable and features 600 mm pulley wheels and roller double block guides. Mill alignment and maintenance requirements have been reduced to a minimum.

Accuset or PLC Setworks, Auto Clutch and LubeMizer are standard on the LT70.

The addition of our material handling options can significantly increase productivity, while still keeping all the advantages of our narrow-band technology.

The LT70 is often bought by existing Wood-Mizer owners who now need higher production levels, and also by existing entrepreneurs in the timber industry who realise the value of the increased productivity, yield and returns generated by the LT70 technology.



LT70 stationary sawmill with electric engine and hydraulic log handling package

- **Roller double block blade guides:** Accurate cutting with increased blade stability.
- **Hinged blade wheel covers:** Facilitate quick blade changes and are easy to close and fasten.
- **Idler pulley clutch system:** Easy access to drive belt for routine maintenance.
- **Air bag blade tensioning:** Improved blade tension consistency in all cutting conditions.
- **Accuset:** Wood-Mizer's powerful setworks comes standard on the LT70.
- **Large throat capacity:** Allows for cuts up to 73 cm wide.
- **Auto Clutch:** Is controlled from the operator panel. Comes standard with the LT70.
- **Large cam follower bearings:** 7.5 cm diameter bearings used on the topside. Dual saddle bearing arrangement on the operator side yields increased bearing life.
- **Trailer package:** Includes adjustable outriggers as standard with fully compliant trailer specifications.
- **LubeMizer:** Pressure pulse system keeps the blade clean and lubricated, increasing overall blade performance. Comes standard with the LT70.

Log Handling

Add the advantages of hydraulics to the quality and durability of the sawmill, and much of the physical labor associated with sawing is eliminated. Hydraulic levers located at the front of the mill, control the functions of loading, leveling, clamping, and turning of the log. Once the log is ready, the operator simply sets the board thickness and feed rate from the centralized cutting controls and walks along with each cut.

Wood-Mizer sawmill with manual log handling

Wood-Mizer sawmill with hydraulic log handling

Wood-Mizer sawmill with super hydraulic log handling

Manual Log Handling

Toeboards
Mounted on the sawmill bed's front and rear bedrails. The toeboards enable you to lift either end of a tapered log by hand crank.

Log Turner
This simple accessory, when used in conjunction with the manual winch, enables a single operator to rotate larger diameter logs.

Hydraulic Pump
The manual hydraulic pump allows a single operator to load logs onto the bed.

Loading Arms

Hydraulic Log Handling

Central Log Clamp
Special two-plane clamping system simplifies sawing of stressed logs. Cuts as close as 2.5 cm from the bed are possible.

Log Turner
Turning a log or cant for the next cut is easy. Just move a lever on the control box.

Roller Toeboards
Extra-wide roller toeboards compensate for log taper and allow easy log positioning.

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

Loading Arms
Logs can be loaded in seconds with the throw of a lever. Each arm features a self-leveling, heavy-duty cylinder.

Super Hydraulic Log Handling

The Super Hydraulic Log Handling is available for the LT40 and LT70 „M" bed.

All features from the Hydraulic Log Handling PLUS:

Chain Turner
Turns logs quickly and effortlessly in either direction.

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

Vertical Side Supports
Perfect reference points for accurate, square cuts.

REMOTE SAWMILLS

Performance Specifications	LT40 Remote	LT70 Remote
Max. Log Capacity	90 cm dia.	95 cm dia.
Throat capacity	up to 72 cm wide	up to 73 cm wide
Length of bed	S bed: 5 m M bed: 6.3 m	S bed: 4.8 m M bed: 6.1 m
Log Handling	Hydraulic Super Hydraaulic (M bed only)	Hydraulic Super Hydraulic (M bed only)
Head Drive	Power Feed & Up/Down	Power Feed & Up/Down
Power Options	18.5 kW Electric	18.5 kW Electric
Standard Features	• Electric Blade Guide Arm • Roller, Single Block Blade Guides • SW Setworks • Remote Operator Station	• Electric Blade Guide Arm • Roller, Double Block Blade Guides • PLC Setworks or Accuset • Remote Operator Station • LubeMizer
Typical Options	• Super Hydraulic Package for M beds • Debarker • PLC Setworks • Accuset • Hold Down Clamps • LubeMizer • Material Handling	• Super Hydraulic Package for M beds • Debarker • Hold Down Clamps • Material Handling

REMOTE SAWMILLS

Wood-Mizer®

LT40/70 Remote

Stationary sawmilling for the professional user

The LT40/LT70 Remote combines the proven production capabilities of the popular and successful LT40/LT70 with a remote control operator stand and system of conveyors and tables for material handling.

The remote operator control stand enables the operator to site himself in the optimum sawing position. From this remote station, the operator can easily control all aspects of the mill, from log handling, to determining board thickness and controlling the cutting and return movement of the head.

Transfer Deck
(for more details, please see page 33)

Incline Conveyor
(for more details, please see page 32)

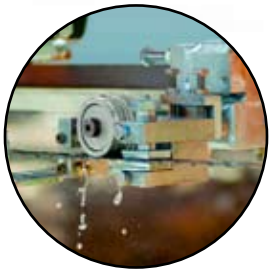
Edger MultiRip
(for more details, please see page 36)

Log Deck
(for more details, please see page 32)

Equipment

PLC Setworks
(standard on LT70 Remote)
(for more details, please see page 42)

SW Setworks
(standard on LT40 Remote)
(for more details, please see page 42)



LubeMizer
(standard on LT70 Remote, LT40 Remote optional)
(for more details, please see page 44)

Debarker (optional)
(for more details, please see page 43)

The addition of an optional log deck, inclined conveyor for board removal and transfer table or the use of the standard (3 m) modular tables make the LT40/LT70 Remote easy to integrate into any new or existing installation.

The LT40/LT70 Remote is the most productive mill in the "orange" range of Wood-Mizer products. In terms of the overall method of operation, the LT40/LT70 Remote is similar to the industrial WM3000 but for the lower volume user the reduced initial cost of the LT40/LT70 Remote means that the margin returned per sawn cubic meter is similar.

LT70 Remote with modular tables and log deck and optional Edger

- **Roller, Double Block Blade Guides:** Accurate cutting with increased blade stability (only with LT70 Remote).
- **Roller, Single Block Blade Guides:** Combine maximum blade stability with minimal maintenance (only with LT40 Remote).
- **Hinged blade wheel covers:** Facilitate quick blade changes and are easy to close and fasten.
- **Idler pulley clutch system:** Easy access to drive belt for routine maintenance.
- **Air bag blade tensioning:** Improved blade tension consistency in all cutting conditions.
- **Large throat capacity:** Allows for cuts up to 73 cm wide (LT70 Remote) and 72 cm wide (LT40 Remote). Plenty of space for cutting big diameter logs.

The Super Hydraulic Log Handling for the LT40/70 Remote

Productivity in any sawmill depends to a large extent on the time needed to manipulate the log and handle the sawn material, as opposed to the actual sawing time.

In designing the LT40/LT70 Remote the emphasis was placed primarily on reducing the time spent on log handling and dealing with the sawn material. Additionally, the new version is equipped with an operator console, enabling the user place the console in the optimum position for their application.

LT70 Remote with the Roller System of Outfeed Tables

Super Hydraulic Log Handling

Chain Turner
Turns logs quickly and effortlessly in either direction.

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

Vertical Side Supports
Perfect reference points for accurate, square cuts.

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

Central Clamp
Special two-plane clamping system simplifies sawing of stressed logs. Cuts as close as 2.5 cm from the bed are possible.

Remote Operator Stand
The operator console is fitted with everything needed to control the sawing head, full hydraulic controls for log handling, and setworks for automatic dimensioning.

Roller Toe Board
Allows taper setting of logs for grade sawing, boxed hearts, and more.

Material Handling

for the LT40/70 Remote

Log Deck

The log deck is an essential part of the LT40 Remote and LT70 Remote. Controlled from the operators stand, it allows the operator to easily load logs onto the mill. The Log Deck is available in two standard lengths (3.6 m and 6 m). Driven by 4.5 kW electric motor and the loader ensures that only a single log is loaded during one cycle. The entry angle is steep enough to load low grade, knotty logs, but shallow enough to smoothly load any log.

The hydraulic stop and loader is powerful and fast

Incline Conveyor

The inclined conveyor is designed to work in combination with the integral board removal system on the LT40 Remote and LT70 Remote. Originally designed to fit with our industrial WM3000, the Inclined Conveyor has been adopted to mate with the LT40 Remote and LT70 Remote and quickly transport sawn material onto the Transfer Deck or the Roller System Outfeed Tables.

The Incline Conveyor works in conjunction with the Transfer Deck or the Three Way Conveyor

Transfer Deck

The Transfer Deck helps to handle sawn material transferred by the Inclined Conveyor. After the material moves onto the Transfer Deck, the operator can move the cut piece to a stop location or remove it as a waste slab or for further processing.

Roller System of Outfeed Tables

The Roller System of Outfeed Tables is a manual solution based on manual tables, and can be a cost effective alternative to the incline conveyor and Transfer Deck options.

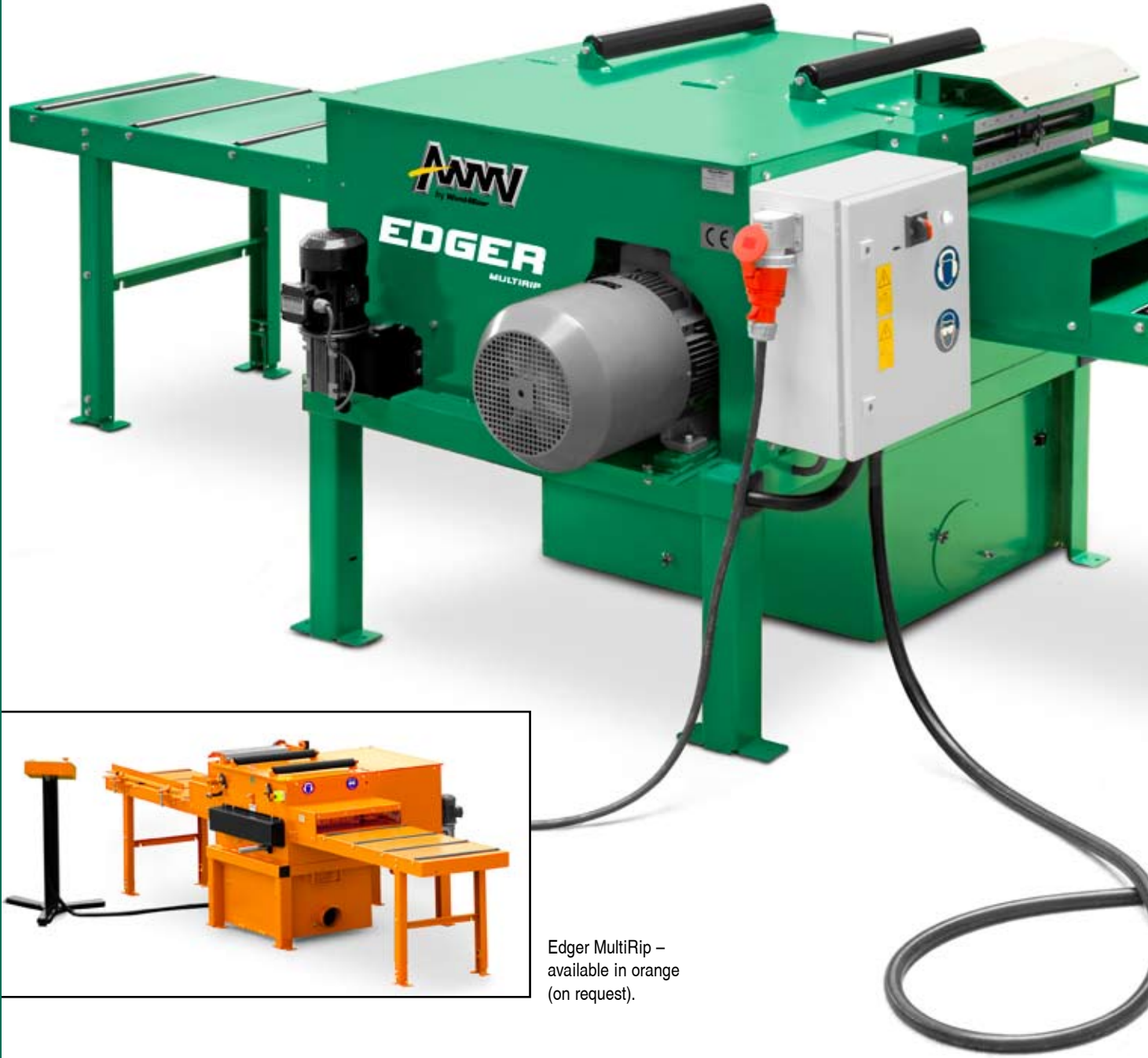
SECONDARY PROCESSING

Performance Specifications	Edger EG300
Minimum Board Length	700 mm
Maximum Board Thickness	60 mm
Maximum Edging Width	420 mm
Maximum Board Width	550 mm
Minimum Cutting Width for the board **– MultiRip (up to 5 blades)** **– Edger**	 20 mm 60 mm
Power Options	15 kW Electric 18.5 kW Electric
Feed Speed	0-25 m/min
Blade Size	350/76/18
Standard Features	• 2 circular blades • SW Setworks • In-feed and out-feed tables • Adjustable speed • Powered alignment of the edging width • Adjustable side fence
Typical Options	• MultiRip (up to 5 blades) • Lasers

SECONDARY PROCESSING

Wood-Mizer®

EDGER EG300



Edger MultiRip – available in orange (on request).

15 kW Electric engine

(18.5 kW optional)

Top rollers

Facilitates the return of boards that require a second pass.

Powered alignment of the edging width

SW Setworks

Increases productivity and accuracy using rugged electronics to quickly position the adjustable blade to preset sizes.

The Edger MultiRip is an ideal companion to all Wood-Mizer sawmills, Small Log Processing lines and other industrial (AWMV) products. It has been designed to edge or multirip boards from the primary break-down process in one pass, thus greatly increasing productivity and maximizing recovery from the log.

Known as the EE20 (or in a more powerful version, the EE25), it consists of three components - the main body, an in-feed table and an out-feed table. The power feed can be smoothly adjusted from 0-25 m/min from operator's control panel. As standard, it has two circular blades, one of which is fixed and the other adjustable. The position of the adjustable blade is adjusted electrically, setworks and optional positioning lasers further improve productivity and accuracy.

The Edger can be transformed into a MultiRip with a maximum of five blades, one of which is still adjustable. The movable control panel can be located in a comfortable position dependent on each application. The in-feed and out-feed tables are identical and the in-feed/out-feed can also be extended by adding additional identical tables for longer length material.

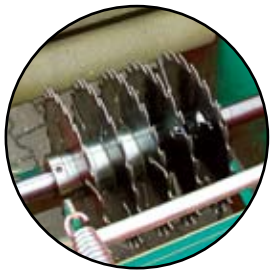
By making the tables separate from the main cutting body, transportation costs are minimized and positioning and handling the Edger are made much easier.

Adjustable fence

The adjustable side fence allows you to quickly position boards that already have one clean edge for dimensioning.

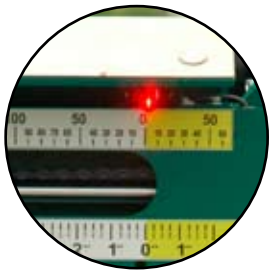
Circular blades

Two circular blades.
One fixed and the other electrically adjustable.



5 blade – MultiRip

Multiple saws can be mounted on the shaft for MultiRip operation.



Optional lasers

(red or green) allow ideal positioning of the cut material, thus increasing recovery and efficiency.

Kilns

WMDK – Modular Kiln System

Drying your timber is the first and crucial step in the process of adding value to your sawmilling operation. True to our policy of making things simple, we have developed a modular kiln kit for kiln capacities from 4 to 20 m^3.

The package consists of everything that you need to successfully dry load after load of high quality timber. You can install the modules in standard insulated containers, or you can build your own chamber to the length that best suits your own specialized requirements.

The drying process is based on the well-proven heat/vent system of drying but we have removed all of the complicated computer controlled systems that force a drying schedule onto the load being dried. Wood-Mizer recognizes that, like people, every log and every board has different characteristics, and so the Wood-Mizer drying system responds to the needs of each individual kiln charge with easy to understand and operate schedules requiring only five minutes of your time per day.

The potential customer base for green boards is restricted, by drying your boards you add significant value to the raw material, but most importantly you greatly increase your potential customer base. You can then go on to provide your local market with finished elements such as flooring or trim as you add Wood-Mizer secondary processing equipment to your portfolio.

The WMDK series is designed especially to meet the needs of lumber processors, furniture manufacturers, home builders, and hobbyists whose day-to-day quantity requirements may not be high, but yet must still have high-quality kiln-dried lumber meeting both domestic as well as international standards.

To make the installation as simple as possible, we have designed the kiln in such a way that no special technical skills will be required to install or operate it. All the components that require welding and special tools for assembly have been put together at the factory.

Kiln Components

The Control assembly includes the electrical control box, thermostat thermocouple, and a Wet/Dry Bulb thermometer. The control box is preassembled and all connections are clearly marked.

The Fan assembly comes in standard 1200 mm sections, performed, preassembled and pre-wired. The assembly includes two 3 ph 400 V 50 Hz AC, high performance circulation fans, heating elements (either 2 kW of 4 kW) with individual safety cut-out switches, cable tray, plenum baffle and wiring.

The Exhaust assembly includes the rugged 220 V AC exhaust fan, mounting module and exhaust control valve.

Each Track assembly includes one modular loading cart, and the track elements required for a 1200 mm section of track.

Drying of firewood

There is a lot of professional literature concerning the kiln drying of sawn wood, but there is not much about kiln drying of firewood.
Mesh boxes or crates are very practical for the drying of cut and split timber in the chamber and the air circulation is sufficient to evenly dry the firewood placed in the crates.
In a standard shipping container the box should be a maximum of 1.7 m wide and 1.7 m high to ensure, on one hand, optimal use of the container's interior and on the other, to leave enough space for the air circulation. One 20 feet container may hold a maximum of approx. 15 cubic meters gross.

The drying time necessary to obtain 20% moisture content firewood depends on different factors:

- On the kind of wood. Beech, Alder and Pine have similar drying times, Oak requires significantly more time.
- The size of the split firewood is also important. However, the length is more important than the thickness, as moisture escapes quickest from the ends of the wood, more slowly through the sides and slowest through bark.
- Another important factor is the time of cutting the firewood, as summer wood contains significantly more sap than winter wood.
- The quicker the timber gets from the splitter to the drying chamber, the longer the drying takes. A few weeks of pre-drying reduces the time of drying in the chamber by one day.
- The season of year and the exterior temperature also affects the drying process. In extreme cases, due to any or all of the above mentioned factors, drying time can be doubled or halved.

With Beech cut in winter, 30 cm long and weighing 1-2 kg, 20% timber humidity is usually obtained after 4 days in the chamber.

Drying with Electrically heated circulating air.

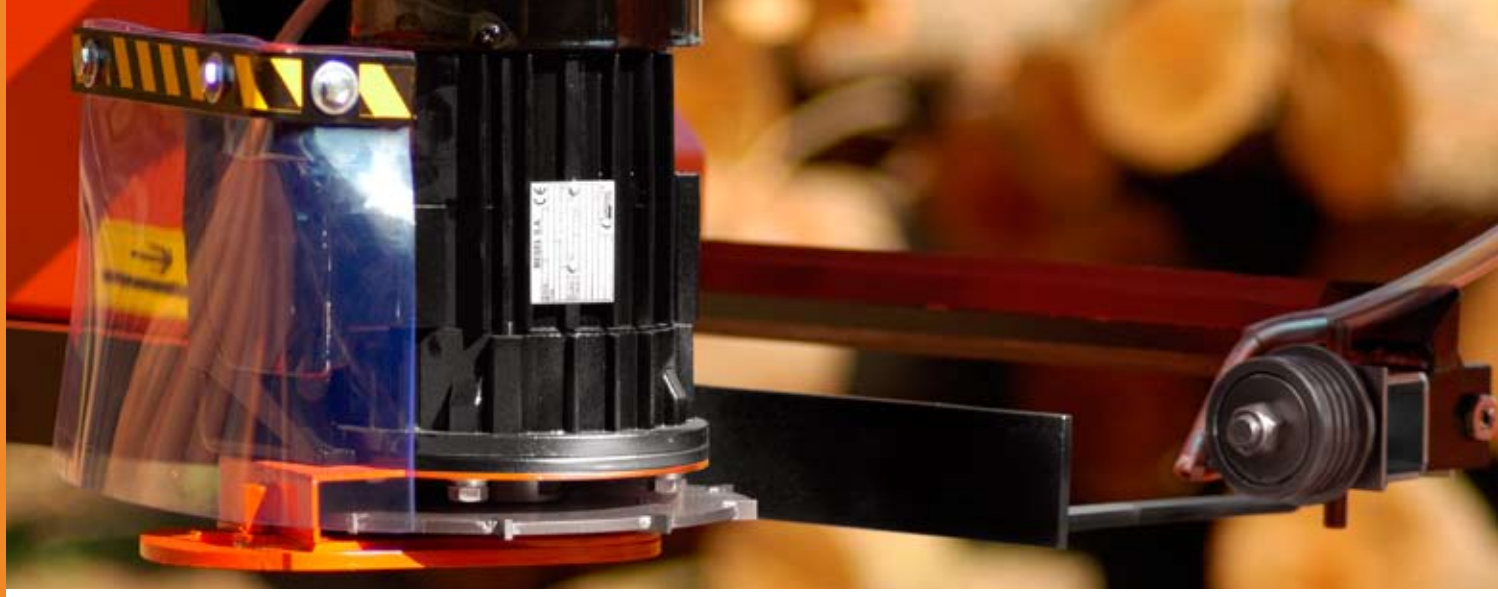
Drying firewood in an electrically drying chamber use electric heating. The installation is simple and cost effective, the chamber can be connected to any 32 A fuse. For the commercial drying of valuable timber, one does not use much energy and the wood quality obtained is very high. Electric energy costs are very low per m3 dried and is usually and unsignificant part of the costs. Drying firewood in an electrically heated drying chamber makes sense in the case of an urgent order or simply to use available drying capacity.

Drying with hot water heat exchangers.

When using the chamber mainly for drying firewood, it is recommended to use the chamber with hot water heating, if the water is heated with wood, or if the heating energy is obtained using other economic methods (biogas installations are beneficial). It is also important to ensure that the initial temperature is high and that the heating device is not located too far from the drying chamber. Heat exchangers for hot water operation are not included in the set, but they are easy to mount. Supply conduit is divided into several bundles which run along the heating and ventilation modules. Drying time with electric heating and hot water is generally the same, with at least 30 kW heating power and high initial temperature. Ventilation and exhaust blowers use as little as 1.2 kW/h of electricity.

ACCESSORIES

	Segmented Bed Sawmills			Classic Bed Sawmills			Remote Sawmills	
	LT10	LT15	LT20B	LT20	LT40	LT70	LT40R	LT70R
SW Setworks Accuset PLC Setworks		✓	✓	✓	✓	✓	 ✓ ✓	 ✓ ✓
AutoClutch					✓	✓		
Debarker		AC ✓	AC/DC ✓	AC/DC ✓	AC/DC ✓	AC/DC ✓	AC ✓	AC ✓
Remote Operator Station			✓				✓	✓
Wireless Remote (selected models)			✓	✓	✓	✓		
LubeMizer					✓	✓	✓	✓
Bed Extensions 1.8 m 3.6 m 7.2 m				 ✓ ✓ ✓	 ✓ ✓ ✓	 ✓ ✓ ✓		
Bed Sections 1.95 m 2.00 m 2.70 m	 ✓	 ✓ ✓	 ✓					
Loading Ramps	✓	✓	✓	✓	✓	✓		



ACCESSORIES

Wood-Mizer®

Accessories

SETWORKS

Accuset

Accuset significantly increases the operational flexibility provided by Simple Setworks and PLC Setworks.
In addition to 16 programmable memories for board thickness, the system has four operational modes.

- Manual Mode – the system operates purely manually
- Auto up / Auto down mode – each flick of the up/down switch raises or lowers the head by the programmed amount
- Pattern Mode – 16 standard cutting patterns can be programmed into the system
- Reference Mode – the system can remember the position of the head on the last cut made on two sides of the cant. Ideal for grade sawing operations.

PLC Setworks

PLC Setworks for sawmills equipped with AC up/down motors. The PLC Setworks was developed for our AC range of sawmills which use 380 V AC for all motors. The functionality is very similar to that of the Simple Setworks with the capacity for two operator programmable dimensions, which can be selected at the touch of a button. The ability to preprogramme frequently used dimensions and instantly recall them increases productivity and accuracy, which, in turn, increases profitability from your sawing operation. PLC Setworks also features upper and lower head limits and built in calculator, referenced to the bed, to enable you to cut a preset thickness right down to the last cut.

SW Setworks

SW setworks increases productivity and accuracy using rugged electronics to quickly position the head for the next cut. Available for both AC and DC mills the SW setworks is easy to use and allows you to change board sizes very quickly, without the need to preprogramme every dimension needed.

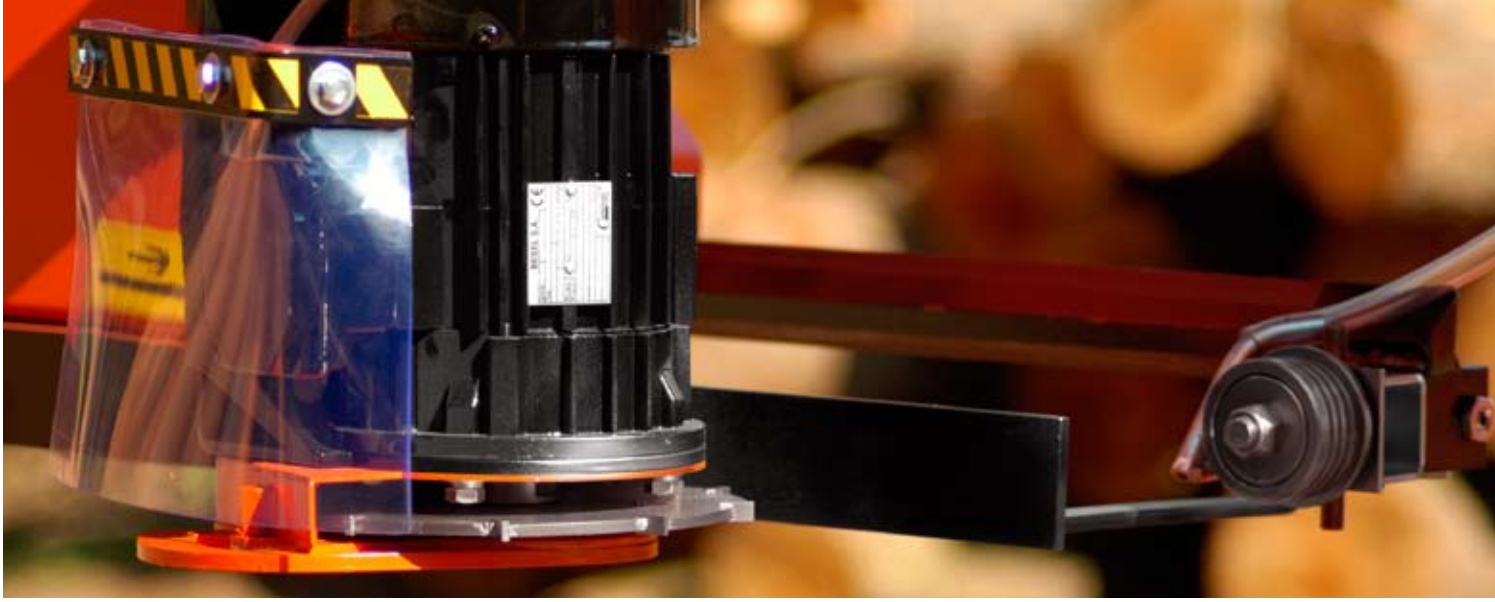
Moisture Meter

This moisture meter packs everything you need for accurate moisture readings into an easy-to-use handheld unit.
Its compact design is perfect for use by flooring professionals, wood products manufacturers, serious woodworkers and hobbyists, and anyone who requires accurate moisture measurement technology. The pin-free, electromagnetic wave sensor technology takes accurate measurements without destroying a board. The new microprocessor design provides improved measurement and calibration stability. The operator-selectable species settings eliminate time-consuming manual corrections. The digital LCD moisture-content display is extremely easy to read. The meter is capable of a „hold" mode that can freeze the reading on the LCD display for easy viewing. It features a two-button interface, and has an increased measurement range of 5% - 30%.

Auto Clutch

Auto Clutch is to sawmills what power windows are to cars. With just the flick of a finger, you can engage the clutch and rev up the motor. Flip the switch in the other direction, and the blade will stop as the engine returns to idle.
It's that simple.

Not available on the LT10, LT15 and LT20.



Debarker – LT40 & LT70 sawmills

Say good-bye to the days of power-washing your logs. A Wood-Mizer debarker cleans up the log before each cut, preventing your blades from hitting mud, rocks, or thick bark. The debarker's 0.75 kW motor will help you keep your blades in great shape between sharpenings and extend overall blade life. And the less time you spend changing your blades, the more time you'll spend sawing.

Debarker – LT15 & LT20 sawmills

Every LT15 (AC models) and LT20 sawmill comes prewired and ready to fit the optional debarker, which extends blade life by pre-cleaning the log.

Remote Operator Stand

The operator console is fitted with everything needed to control the sawing head, full hydraulic controls for log handling, and setworks for automatic dimensioning. Only available for LT40 and LT70 M beds.

Cant Hook

You may not be able to move the world, but if you want to move logs – you'll definitely need cant hooks. These traditional logger's tools are used to roll, lift, move, and pivot logs. Until you've tried them, you won't believe how much leverage they can provide. Our cant hook is made from special hardened steel and feature 1.2 m hickory handles. You'll need two for basic log handling.

Wireless Remote

The NEW Wood-Mizer Wireless Remote conveniently operates three of the company's thin-kerf sawmills. The LT20, 40 & 70 are now available with the optional Wireless Remote on new mills only. With this unit, sawyers operate the up/down, forward/reverse, blade guide arm, debarker, and autoclutch head controls from any practical viewing distance around the mill; ensuring the best view of the work area. The remote is designed to be worn either around the waist or with the standard break-a-way shoulder strap; placing the joystick and toggle controls at the user's fingertips. It has rechargeable batteries, protected in a weatherproof box, and features armored & robust technology that prevents interference from "frequency hopping." Wood-Mizer's new Wireless Remote offers the operator Dual Controls: the flexibility and versatility to use the standard controls and walk with the mill or switch to the wireless control unit for improved visibility and the freedom to operate from any position around the mill.

Ask your representative for more information and list of models available with the Wireless Remote.

LubeMizer High Performance Sawing System

The LubeMizer system helps melt away sap with ease. It features an adjustable electronic flow controller and pump that applies a special lubricating solution to both sides of the blade. LubeMizer additive can be used in small amounts for a little sap and used in the continuous mode to tackle blades with encrusted sap.

(Currently, the LubeMizer High Performance Sawing System is available as an option on new Wood-Mizer mills, and as a retrofit kit for our non-remote, 12-volt mills built after April 1997).

LubeMizer Additive

This pre-mix solution is poured into the water bottle and intensifies blade cleaning.
No measuring required.

Loading Ramps

Provides easy loading of logs when used with the optional manual winch.

LT10

LT20 and LT20B

Bed Extensions

Most Wood-Mizer portable sawmills can handle just about any log length imaginable.

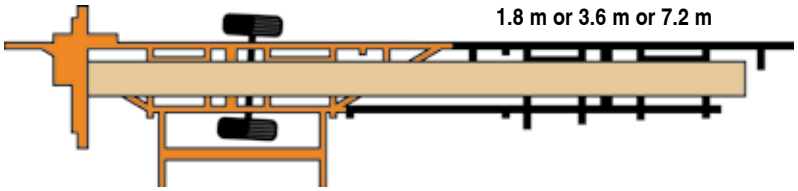
• Professional Bed Extensions (LT20, LT40, LT70):

You can add 1.8 m or 3.6 m or 7.2 m extensions to the existing bed, and tackle super-long logs with ease.

1.8 m Extensions
3.6 m Extensions
7.2 m Extensions

(Not available on the LT10, LT15 and LT20B.)

TOP VIEW



SAWMILL **BED EXTENSION**

• Segmented Bed Extensions (LT10, LT15, LT20B):

Increases cutting length by 1.95 m each.
No practical limit to maximum length.

Bed Section: 1.95 m (LT10 only)

Bed Section: 1.95 m or 2.7 m
No practical limit to maximum length.

Bed Section: 1.95 m or 2.7 m (LT15 only)

Increases cutting length by 2.00 m each.
No practical limit to maximum length.

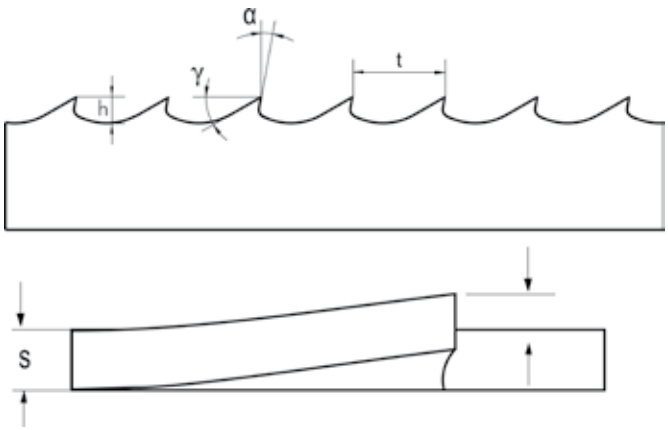
Bed Section: 2.00 m (LT20B only)

BLADE PARAMETERS

HOW TO READ THE BLADE PART NUMBER

B	**How sold:** B = BOX OF BLADES
S	**How read:** S = STELLITE BLADES
2	**Thickness:** 1 = 1.00 mm 2 = 1.07 mm 3 = 1.14 mm 4 = 1.40 mm 5 = 1.27 mm
7	**Tooth spacing:** 5 = 12,7 mm 7 = 7/8" = 22.2 mm
5	**Width:** 20 = 20 mm 5 = 32 mm 35 = 35 mm 6 = 38 mm 7 = 45 mm 8 = 50 mm 75 = 75 mm
IH741030	**Details:** IH = INDUCTION HARDENED TEETH (DoubleHard) 74 = TYPE OF MATERIAL (Silver Tip) 432 = BLADE PROFILE 4°/32° 929 = BLADE PROFILE 9°/29° 1030 = BLADE PROFILE 10°/30° 1329 = BLADE PROFILE 13°/29° 734 = BLADE PROFILE 7°/34°
-401	**Length:** LENGTH IN CENTIMETERS
-F10	**Type of box and quality of blades:** (not used for S = single blade) F = FLAT BOX S = SQUARE BOX 8 = 8 PCS PER BOX 10 = 10 PCS PER BOX 15 = 15 PCS PER BOX 20 = 20 PCS PER BOX 30 = 30 PCS PER BOX

BLADE PARAMETERS



α – Hook Angle

γ – Back Angle

h – Tooth Height (Depth of Gullet)

t – Tooth spacing

s – Thickness of blade

TOOTH PROFILES

We are offering five tooth profiles:

- 4/32 this profile is for very hard or frozen wood
- 9/29 this profile is for hard or frozen wood
- 10/30 the most popular profile for cutting softwoods or easy-to-saw hardwoods
- 13/29 this profile is recommended for softwoods
- 7/34 this profile is recommended for hardwood; works best with engines over 15 kW

BLADES & ACCESORIES

Wood-Mizer®

Blades

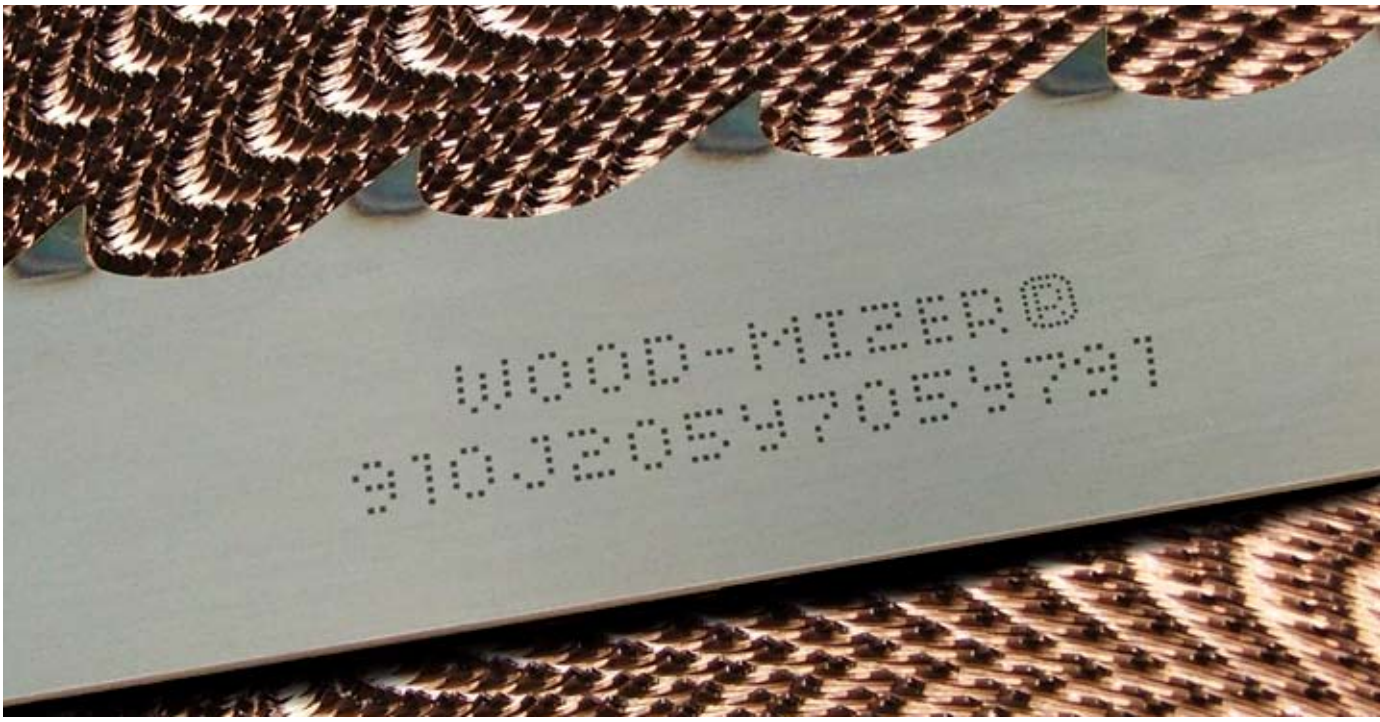
A History of Quality

Soon after Wood-Mizer had pioneered the portable sawmill business, it became evident that improvements were needed in the quality and performance of blades. After having limited success with other manufacturers, we decided to make our own.

Today, Wood-Mizer is still the only sawmill manufacturer that produces its own blades. We have an entire team of blade researchers who rigorously test the steel used in our blades. We use the best equipment available to manufacture the blades, including our very own CBN grinder, and sophisticated computerized setter. Our technology brings greater accuracy and longer life to every blade that leaves Wood-Mizer.

We offer blades in a wide variety of lengths and profiles, but we'll customize blades for customers who want something not found on our list. Wood-Mizer blades come in three distinct brands: **RazorTip, DoubleHard and SilverTip**.

All Wood-Mizer blades are produced internally and are subject to rigorous Quality Control processes. Each tooth is individually measured and set by computer-controlled equipment during the manufacturing process. We supply a wide range of lengths and profiles suited to the most common applications and to more specialised cutting needs. Custom lengths are also available upon request.



Wood-Mizer razorTIP

STELLITE® BANDSAW BLADES

One word that sums up the new Wood-Mizer RazorTip blade is TOUGH. When you need a blade with excellent wear power and multiple resharpenings, this blade sets the standard. When other blades dull with only a few cuts, the RazorTip tipped blade is just getting started. When you need a blade for tough, abrasive woods, Wood-Mizer's new blade meets the challenge.

TOUGH – Stays sharp when cutting abrasive, kiln-dried, tropical, specialty, and other tough wood and beams

HIGH TECH QUALITY – Stellite® tipped technology that keeps an edge long after other blades dull

– Each tooth is set and profile ground to exact specifications that ensure long life and quality cut

RESHARPEN – Easy to resharpen with conventional sharpening equipment or Wood-Mizer's Resharp service.

Raw material	Profile	Thickness / Width (mm)
BS275	10/30	1.07 x 32
BS376	7/34	1.14 x 38
BS376	10/30	1.14 x 38

Wood-Mizer doubleHARD

INDUSTRIAL BANDSAW BLADES

There's a reason these are called „DoubleHard" blades.
DoubleHard blades have up to twice the sharp life of most standard blades.
Wood-Mizer DoubleHard blades are tough, non-brittle, and won't chip or wear down prematurely. DoubleHard blades offer unmatched cutting flexibility, whether you want to cut frozen or kiln-dried timber, softwoods, hardwoods or knotty woods. DoubleHard Blades have "IH" in the part number.

Raw material	Profile	Thickness / Width (mm)
B275IH	10/30	1.07 x 32
B2735IH	10/30	1.07 x 35
B278IH	10/30	1.07 x 50
B375IH	10/30	1.14 x 32
B375IH	9/29	1.14 x 32
B376IH	13/29	1.14 x 38
B376IH	10/30	1.14 x 38
B376IH	4/32	1.14 x 38
B376IH	7/34	1.14 x 38
B475IH	10/30	1.40 x 32
B476IH	13/29	1.40 x 38
B476IH	10/30	1.40 x 38
B476IH	4/32	1.40 x 38
B476IH	7/34	1.40 x 38
B576IH	13/29	1.27 x 38
B576IH	10/30	1.27 x 38

Wood-Mizer silverTIP

BANDSAW BLADES

In recent years Wood-Mizer has applied their world famous narrow band technology to the secondary processing market. Our Industrial Horizontal resaws are operating in many countries throughout the world and the addition of the new Professional Single Head Resaw range consolidates our presence in this market place. Resawing applications have different blade requirements than the primary break-down of logs. The cut width is typically much smaller, the timber is clean, and ideally the saw should be in the timber the whole shift. The Wood-Mizer SilverTip bandsaw blade has been designed specifically for this task. We use a standard, very flexible base material to give maximum possible flex-life, and then we apply our unique induction hardening process (as used in our Industrial DoubleHard range) to each tooth. This gives exceptional sharp life to our SilverTip blades. In this way we have combined excellent sharp life with maximum total flex-life for the secondary processing environment. SilverTip Blades have "IH74" in the part number.

Raw material	Profile	Thickness / Width (mm)
B1520IH74	10/30	1.00 x 20
B1735IH74	10/30	1.00 x 35
B275IH74	10/30	1.07 x 32
B2735IH74	10/30	1.07 x 35
B278IH74	10/30	1.07 x 50
B2775IH74	10/30	1.07 x 75
B2775IH74	13/29	1.07 x 75
B376IH74	10/30	1.14 x 38
B376IH74	4/32	1.14 x 38
B477IH74	13/29	1.40 x 45
B477IH74	10/30	1.40 x 45

Basic Blade Maintenance

Customer Blade Maintenance Package
For customers unable to benefit from a Re-Sharp Service, we have designed a **Blade Maintenance Package** that will allow you to recondition your own blades. Ours is not the cheapest solution available – but rest assured, it is made to our exacting standards, fully documented and certified for use in your country. When used properly, our blade maintenance system will give you "near" factory results. Our sharpening and setting equipment has been carefully designed to be the best balance between low cost, excellent results and long life under difficult working conditions.

Cleaning your blades
Cleaning blades is the first and most important step to sharpening and setting your blades. It is very important to remove any residue from cutting and inspect each blade for possible damage that can lead to premature blade breakage. Don't forget this important step when you recondition your blades!

Sharpener

Wood-Mizer sharpeners feature a 0.18 kW single phase AC motor with a nominal speed of 2800 rpm. It is an ideal solution for sharpeners where the presence of abrasive materials such as oil and metal filings would quickly ruin other motors. The Wood-Mizer design also facilitates the easy insertion and removal of the blade. When installing the blade, the head lifts up and out of the way so the blade can be inserted into the clamp. The electric control box is mounted in such a position to allow easy access to the controls. Incorporated into the hinged lid is a venting pipe that can be connected to an exhaust system to remove any fumes generated during the sharpening process. This is especially important in saw shops where multiple units are being used.

CBN wheels

Wood-Mizer supplies specially designed borazon grinding wheels (5", 127 mm for the basic sharpener) in four profiles which exactly match our factory set profiles.

- 10/30 our most popular and versatile tooth profile
- 9/29 ideal in frozen or especially hard timbers
- 13/29 ideal for fresh softwoods such as Pine or Spruce
- 4/32 this profile is for very hard or frozen wood
- 7/34 this profile is recommended for hardwood; works best with engines over 15 kW

Setter

Of equal importance is the process of setting teeth. Our screw based setting system is very accurate, easier to use than the old "over-center" lever system and is less tiring for the operator allowing for faster, precise setting of your blades. Our setter comes complete with a floor stand and arms for holding the blade while setting. The angle of the setter on the stand can be adjusted so that it is easy to read the set gage. Accurate and repeatable setting from tooth to tooth ensures accurate, straight cutting.

Advanced Packages

Industrial sharpener

The industrial sharpener, from its very beginning, has been designed to suit the requirements of bigger sawmills. It is also equipped with a system for the easy installation and removal of the blade. As a standard feature, the new sharpener has an electronic tooth counter which can be pre-set and will then automatically turn off the sharpening process after the full cycle.

Our industrial sharpener is powered by 0.75 kW (2820 rpm main motor) which runs an 8" (203 mm) CBN wheel with 4280 rpm.
All the functions of the Sharpener are controlled from the operator panel and we have added an inspection window and LED lighting to complete the picture.
Wood-Mizer's tests indicate that the new motor and larger diameter CBN wheel and precise feeding system doubles the speed of sharpening in comparison to its smaller brother.

CBN wheels (8") 203 mm

CBN wheels 8", 203 mm for the Industrial sharpener.
Available - all profiles:

- 10/30 our most popular and versatile tooth profile
- 9/29 ideal in frozen or especially hard timbers
- 13/29 ideal for fresh softwoods such as Pine or Spruce
- 4/32 this profile is for very hard or frozen wood
- 7/34 this profile is recommended for hardwood; works best with engines over 15 kW

Automatic setter

An industrial, computerized pneumatic setter gives very high accuracy of the tooth-set and ensures a high level of repeatability. The computer "learns" from the first few teeth exactly how much pressure should be applied to ensure accurate setting.

It also incorporates an electronic control panel giving access to all the setting parameters required and also diagnostics should there be a failure.

The Industrial equipment (sharpener and setter) is designed for enterprises where three, five or more narrow band sawmills operate as well as for Re-Sharp Service centres whose business is based on blade maintenance.

www.woodmizer.eu

Wood-Mizer®

from forest to final form

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