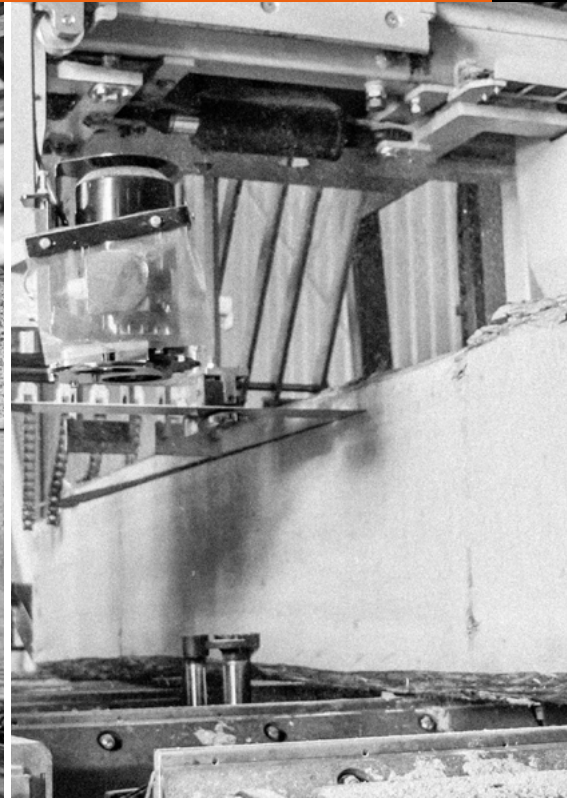
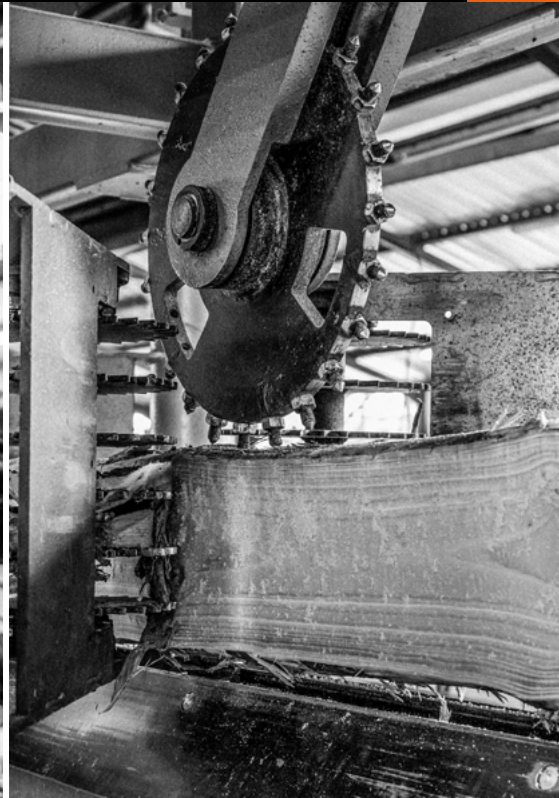
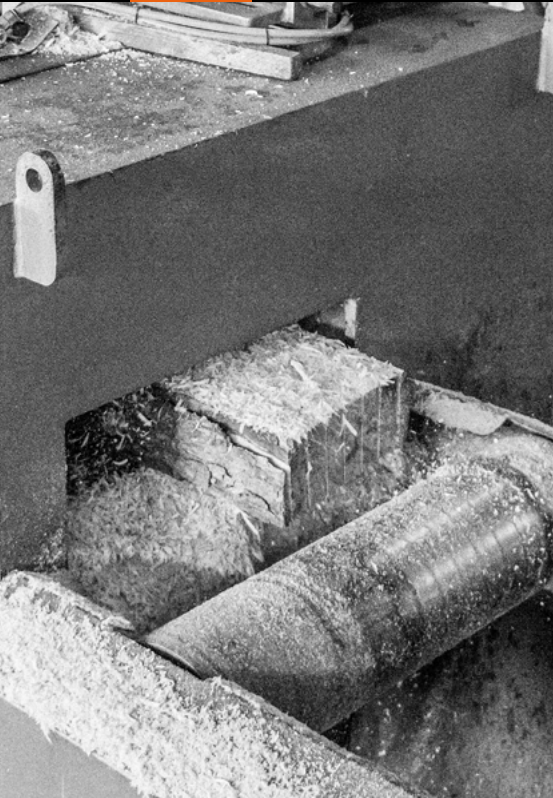




# WIDEBAND SAWMILLS AND PROCESSING EQUIPMENT

**Wood-Mizer®**



**Titan®** Wood-Mizer

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## WB2000 WideBand Sawmill

Wood-Mizer's knowledge of customer needs in international markets has delivered a sawmill that is the best that both narrow and wideband technologies have to offer.

## WB2000 PROFESSIONAL

Wood-Mizer's knowledge of customer needs in international markets has delivered a sawmill that is the best that both narrow and wideband technologies have to offer.

Wood-Mizer's WB2000 features heavy-duty construction, low maintenance requirements, and efficient operation. The WB2000 uses wideband 75 mm (3") blades or 100 mm (3.9") stellite-tipped blades. When using 75 mm blades [available with 22.22 mm (0.87") and 28.50 mm (1.12") tooth spacing] the sawmill is especially cost-efficient in terms of blade maintenance costs.



To ensure the best visibility of the cutting and log handling processes we offer an optional live-feed video system with two cameras as standard, expandable up to four cameras. \*

The PRO version of the sawmill uses an automatic PLC networks system.

The 12-inch touch-screen displays various parameters such as the dimensions of the material, current head height, feed position and main engine power. To adjust these parameters, the operator simply has to use the touch screen to enter new settings.

### Operator Station (PRO version)

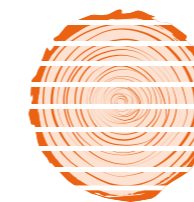
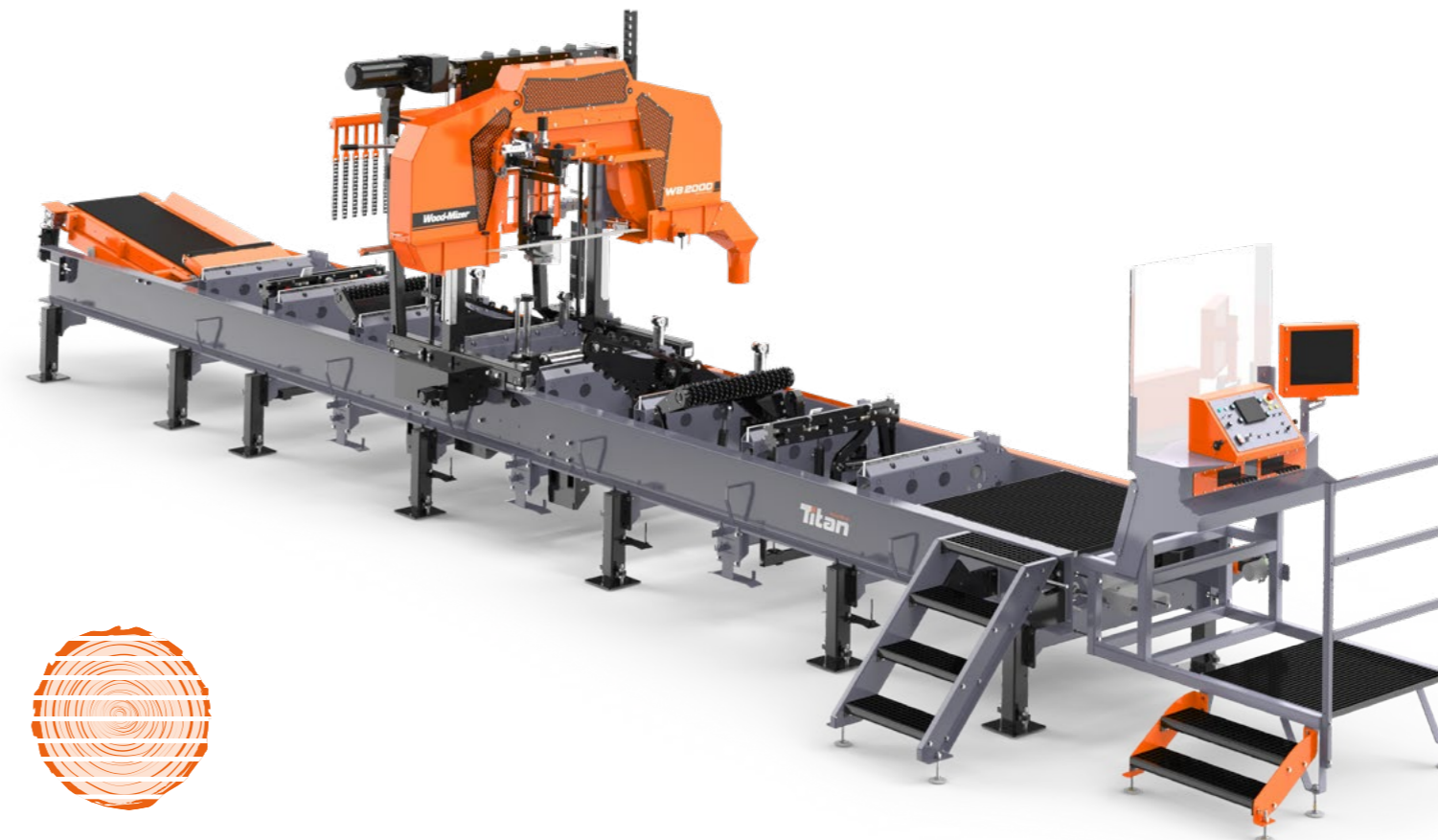
The raised platform with an operator's chair and two joystick controls is equipped with a modern touch-screen control panel, shown here with the optional camera display system. \* Thanks to these features the operator can efficiently manage all sawing and hydraulic log handling functions. An air-conditioned operator's cabin is available as an option.

\*The basic 2 camera system is included as standard for all sales which are required to meet CE certification.

## WB2000 ECONOMIC

The EC version uses a 5.7-inch touch-screen with the latest version of the SW PLC3 Networks system. The modern, heavy-duty bed has a log capacity of up to 6 tonnes. The massive twin C-channel steel beams that make up the frame are 400 mm (15.7") tall by 110 mm (4.3") wide. All hydraulic log handling functions - such as the log clamps, chain turners, power rollers, side supports and hold-down clamps - are modular, and can be moved to different bunks as needed.

The WB2000 can be used as a standalone sawmill to fully process a log, or in conjunction with other machinery to process irregular logs or to produce custom orders that the existing equipment is not suited for. Thanks to the various hydraulic packages and bed lengths, the sawmill is very versatile. It can saw large diameter softwood, hardwood and tropical logs from 2.4 meters up to 12 meters. (7.9' - 39.3')



### Operator Station (EC version)

The operator station is equipped with an integrated control panel with all head and hydraulic functions. The optional camera system \* makes it possible for the operator to observe the entire cutting process.

\*The basic 2 camera system is included as standard for all sales which are required to meet CE certification.

### Log Handling Functions:



#### Bi-directional Chain Turner

Equipped with a chain turner for quick log turning



#### Central Clamp

Clamps and stabilises the log during the cutting process and is also used to turn squared cants.



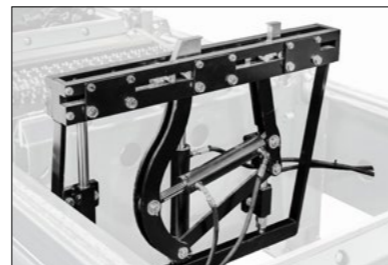
#### Power Roller

Used for positioning the log in the optimal place on the bed lengthwise, and also to tilt the log in to adjust for taper.



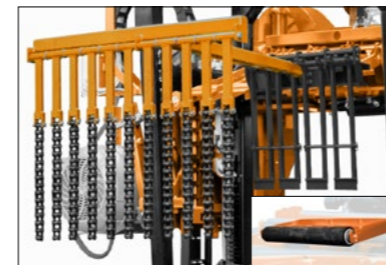
#### Vertical Side Support

Keeps the log on the bed during loading and turning. Ensures the timber remains stable during the cutting process. Provides reference for 90degree cuts.



#### Hold Down Clamps

Clamps the cant from two sides during cutting. Excellent for cants with internal stress.



#### Board Removal System

Includes board removal fingers, chains and shock absorbing roller.



#### Belt-conveyor

Located at the rear of the bed. Activates automatically when the head returns, ensuring efficient material flow. Tilt angle can be adjusted.

### Available Hydraulic Packages:

| Item | Hydraulic Packages:   | Recommended Bed Type: |
|------|---|-----------------------|
| HS1  | 1 x Bi-directional Chain Turner; 1 x Central Clamp; 2 x Power Rollers; 2 x Vertical Side Supports                       | S                     |
| HS2  | 1 x Bi-directional Chain Turner; 1 x Central Clamp; 2 x Power Rollers; 2 x Vertical Side Supports; 2 x Hold Down Clamps | S                     |
| HS3  | 1 x Bi-directional Chain Turner; 1 x Central Clamp; 2 x Power Rollers; 4 x Vertical Side Supports                       | M                     |
| HS4  | 1 x Bi-directional Chain Turner; 1 x Central Clamp; 2 x Power Rollers; 4 x Vertical Side Supports; 2 x Hold Down Clamps | M                     |
| HS5  | 2 x Bi-directional Chain Turner; 1 x Central Clamp; 2 x Power Rollers; 4 x Vertical Side Supports; 2 x Hold Down Clamps | M                     |

### Performance Specifications

|                                  | WB2000 PRO   |              | WB2000 EC  |              |
|----------------------------------|--|--------------|--|--------------|
| <b>Power</b>                     | 30 kW (40HP) Electric - Standard<br>37 kW (50HP) Electric - Optional   |              | 30 kW (40HP) Electric - Standard<br>37 kW (50HP) Electric - Optional   |              |
| <b>Cutting Capacity</b>          | Max. Width of Cut: 900 mm (36")<br>Max. Log Weight: 6000 kg (13 000 lb)  |              | Max. Width of Cut: 900 mm (36")<br>Max. Log Weight: 6000 kg (13 000 lb)  |              |
| <b>Cutting Length</b>            | <b>S Bed</b>   | <b>M Bed</b> | <b>S Bed</b>   | <b>M Bed</b> |
| Without Board Removal System     | 5.2 m (17')  | 8.2 m (27')  | 4.5 m (15')  | 7.5 m (24')  |
| With Board Removal System        | 4.5 m (15')  | 7.5 m (24')  | 3.8 m (12.5')  | 6.8 m (22')  |
| Min. Cutting Length              | 1.2 m (4')   | 1.2 m (4')   | 1.2 m (4')   | 1.2 m (4')   |
| <b>Standard Equipment:</b>       | PLC Industrial Networks<br>Power Feed<br>Block Blade Guides or Roller<br>Blade Speed:<br>(1) mechanical, with pulley 22 m/s (72ft/min) (standard)<br>(2) mechanical, with set of pulleys 26 m/s (85ft/min) (optional)<br>(3) adjustable, 18-30 m/s (59-98ft/min) (optional)<br>Automatic Blade Lubrication<br>Airbag / Eccentric shaft blade strain system.<br>Platform with operator's seat and joysticks system<br>Power Feed and Up/Down System operated by joysticks<br>Camera monitoring System (2 pcs as Standard €€ only)<br>Board Removal System<br>Hydraulic Equipment (more info – page 4)<br>Hydraulic control with:<br>- Electric with joysticks<br>- Hydraulic speed reduction foot pedal<br>Hydraulic pump 7.5 kW (10HP) (27 l/ min) |              | SW PLC3 Networks<br>Power Feed<br>Block Blade Guides or Roller<br>Blade Speed:<br>(1) mechanical, with pulley 22 m/s (72ft/min) (standard)<br>(2) mechanical, with set of pulleys 26 m/s (85ft/min) (optional)<br>Automatic Blade Lubrication<br>Airbag / Eccentric shaft blade strain system.<br>Operator Station integrated with the sawmill<br>Power Feed and Up/Down System operated by a set of switches<br>Camera monitoring System (2 pcs as Standard – €€ only)<br>Board Removal System<br>Hydraulic Equipment (more info – page 4)<br>Hydraulic control with:<br>- Manual block-valve switches<br>Hydraulic pump 5.5 kW (7.5HP) (18 l/ min) |              |
| <b>Optional Equipment:</b>       | Debarker<br>LaserSight<br>Additional camera (max 4 pcs on one machine)<br>Hydraulic pump 11 kW (15HP) (55 l/min)<br>Hold Down Clamp<br>Bed Extensions: 2m (6') or 4m (13') (M Bed only)<br>Belt-conveyor<br>Air-conditioned operator's cab<br>Log Deck (LD2)<br>Conveyor Belt (CB3)<br>Transfer Table (TD2)  |              | Debarker<br>LaserSight<br>Additional camera (max 4 pcs on one machine)<br>Hold Down Clamp<br>Bed Extensions: 2m (6') or 4m (13') (M Bed only)<br>Belt-conveyor<br>Log Deck (LD2)<br>Conveyor Belt (CB3)<br>Transfer Table (TD2)  |              |
| <b>Log Loading System:</b>       | Conveyor Belt (CB3)  |              | Conveyor Belt (CB3)  |              |
| <b>Material Handling System:</b> | Transfer Table (TD2)   |              | Transfer Table (TD2)   |              |

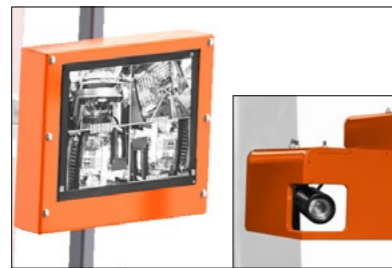
**Equipment:**



**Main Electric Motor**  
30 kW (40HP) electric motor is standard. 37 kW (50HP) electric motor - optional.



**Airbag / Eccentric shaft blade strain system.**  
Fast reacting strain system allows for quick response to changes during the cutting process.



**Cameras & Screen**  
Ensures complete oversight of the cutting process. The standard C€ version is equipped with 2 cameras, and up to four cameras can be mounted.



**Laser Sight**  
A laser beam indicates where the blade will cut through the log. Available as an option.



**Debarker**  
Removes bark and rocks from the blade path, keeping the blades in better condition between sharpening, and extending overall blade life. Available as an option.

**Log loading System:**



**Log Deck (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).

**Material Handling System:**



**Incline Conveyor (CB3)**  
The conveyor belt removes timber from the sawmill. After the cut is finished, the Board Removal System offloads the board from the bed onto the Conveyor Belt, which then moves the timber to the next processing stage. Like the Log Deck, the Belt Conveyor is controlled from the Operator Station.



**Transfer Table**  
The Transfer Table efficiently sorts timber in different directions. Timber can be sent directly forward, left or right as needed.



**Air-conditioned operator's cab**  
Maintains comfortable temperature for the operator and protects electronic elements from extreme weather conditions.

**Bed Extensions**  
The bed can be extended by 2 m or 4 m (available only for M-size bed).

**Wide band blades:**

| Performance Specifications |  |
|----------------------------|--|
| Blade Wheel Diameter       | 800 mm (31.5")   |
| Blade Wheel Type           | Cast iron crowned  |
| Blade Length               | 6m (19.6')   |
| Blade Width                | 100 mm (stellite-tipped blade)<br>50mm (2") or 75 mm (3") (spring set tips) – optional (*) |

(\*) Special blade wheels required for spring set 50mm (2") & 75 mm (3") blades.



**Blade Maintenance Package** (for maintaining 50mm (2") & 75mm (3") blades):



**BMS500/600 – Professional Blade Sharpener**  
It will sharpen blades from 25mm (1") wide to 75 mm (3") wide and tooth spacing from 12.7mm (1/2") to 28.6mm (1 1/8"). Uses an industrial 203mm (8") diameter CBN wheel to sharpen blades, and the wheel rotates at 4250 rpm. The user-friendly control station includes a tooth counter display, variable feed speed, and two modes: "Set-Up" and "Run". Is quickly configured to stop after an exact number of teeth have been sharpened. BMS600 – Same features as the BMS500, but with a larger pump and oil reservoir for increased coolant flow for high volume saw shops.



**BMT300 – Automatic Toothsetter**  
This pneumatic setter ensures extremely accurate and consistent tooth setting. The computer "learns" from the first few teeth exactly how much pressure should be applied to ensure accurate setting. An electronic control panel displays all parameters and diagnostic tools. Simply install the blade, and start the setter in the mode you wish to run. When one side of the blade is finished, invert the blade, re-install it in the setter, and move the blade pusher into the reverse position. Maximum blade width is 75 mm, and the feed rate is up to 24 teeth per minute.



**CBN Wheels 203 mm (8")**  
Wood-Mizer supplies specially designed borazon grinding wheels in five profiles which exactly match our factory set profiles. 203 mm (8") borazon grinding wheels are available for all Wood-Mizer blade profiles. The 203 mm wheel is made for use with the BMS500/600 industrial blade sharpener. The larger grinding surface provides longer sharpening life of the grinding wheel, and a faster grind, resulting in top quality sharpening.



## TITAN Twin Vertical Saws & Resaws

The TITAN range offers simple, robust, high performance bandsaw systems. The range is currently available in three size configurations: the smaller TITAN Hybrid, the larger TITAN 4, and then the TITAN 6.

The TITAN TV2000 is an efficient, robust and easy to use twin vertical saw for small to medium diameter logs up to 3.6m (11') in length. It is designed to break the log into a two-sided cant.

It is available with or without log turning functionality. The automated log turner allows for each log to be rotated to an optimal position and then placed onto the moving sharp feed chain.

The log is guided by pressure feed rollers, giving it maximum stability in the cut. The operator may select the desired cutting size and the machine will automatically adjust to that size,

removing the need to sort logs before sawing. Investing in log sorting capability increases log throughput.

The TITAN TV2000 is ideal for pallet mill and stud mill operations where the product has relatively small cross-sectional dimensions.

**KEY FEATURES:**

- Feed speeds up to 40 m/min (120ft/min)
- Compatible for blades sizes 50 mm – 80 mm (2" - 3")
- Log diameters from 120 mm – 400 mm (4.5" - 16")
- Heavy duty construction for high strain sawing
- Automated log loading system onto the sharp chain
- Electronic cut size control



**Log Loading System**

To load the logs from the incoming cross conveyor.



**Centre Guided Sharp Chain**

Allows for accurate sawing of narrow cants.



**Spiral Roller Outfeed**

Allows automatic separation of jacket boards.

**Performance Specifications**

| Model                       | TV2000-M  | TV2000-AFL  |
|-----------------------------|---|---|
| Log diameter                | Min - 120mm (4.5")<br>Max - 400mm (16")   | Min - 120mm (4.5")<br>Max - 400mm (16")   |
| Max log length              | 3m (10')  | 3.6m (12')  |
| Blade width                 | Min - 32mm (1.25")<br>Max - 80mm (3")   | 50mm (2")<br>Max - 80mm (3")  |
| Blade kerf                  | 2.5mm (0.095")  | 2.5mm (0.095")  |
| Main saw motor              | Electric motor 15kW (20HP)<br>Electric motor 22kW (30HP)  | 22kW (30HP)   |
| Feed motor                  | Electric motor 2.2kW (3HP)  | 3kW (4HP)   |
| Feed speed                  | 0 - 40m/min (0 - 120ft/min) (motor & blading dependent)<br>Electronic variable feed speed control | 0 - 40m/min (0 - 120ft/min) (motor & blading dependent)<br>Electronic variable feed speed control |
| Feed type                   | Sharp chain   | Sharp chain   |
| Band wheel diameter & width | Diameter 780mm (30.7")<br>50mm (2") to 80mm (3") (customer specific width)                        | Diameter 780mm (30.7")<br>50mm (2") to 80mm (3") (customer specific width)                        |
| Sizing method               | Manual sizing   | Servo with Ballscrew  |
| Saw tensioning              | Hydraulic with spring (airbag optional)   | Hydraulic with spring (airbag optional)   |
| Hold downs                  | With shock absorbtion   | With shock absorbtion   |
| Optional extras             | Outfeed roller tables<br>Outfeed hold down<br>Feed extensions                                     | Sawdust extraction hoods  |



# TV4000 & TV6000 – TITAN Twinbands

The TITAN TV4000 and TITAN TV6000 are our larger and most robust primary breakdown twin-vertical saws. Both models make use of the same heavy duty, automated infeed and outfeed systems, but differ in blade size and production capacity. These models can handle a high throughput of small to medium diameter logs and a maximum log length of 6.6m (22')

The main priority at this primary stage in the log breakdown process is to achieve equal open faces on the sawn cant. This allows for higher recovery down the line at the multiple rip or gang saw. Our TITAN Twinbands achieve equal open face cutting using a fast and accurate log loading system coupled with pressurised hold-down rollers and a sharp feed chain.

### KEY FEATURES:

- Feed speeds up to 40/60 m/min (0-130/195ft/min) (TITAN TV4000/TV6000)
- Compatible for blade sizes: 100 or 125 mm/150 mm (4" or 5" / 6") (TITAN TV4000/TV6000)
- Log diameters from 120 mm – 450 mm (600mm optional) (5"-18", 24" - optional)
- Automated log loading system onto the sharp chain
- Easy to use electric servo sizing control
- Robust design for harsh operating environments and high production rates
- 3 available length options to suit your requirements



### Log Loading System

To load the logs from the incoming cross conveyor.



### Side Disc outfeed

Allows automatic discharge of jacket boards and adds stability to the log.

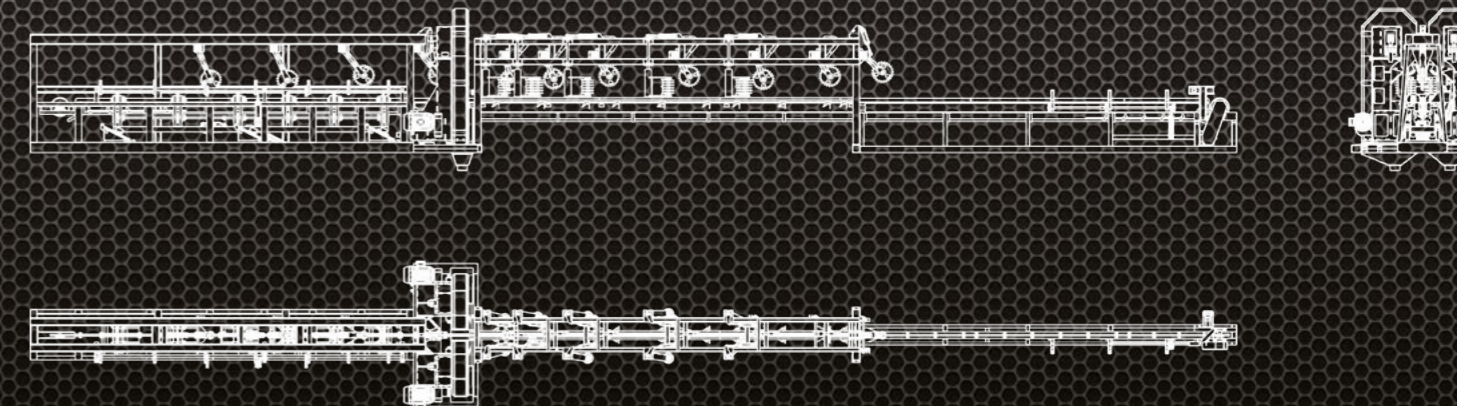


### Top Hold-Down Rollers

To support the cut cants at the outfeed and transport it to the next station.

### Performance Specifications

| Model                       | TV4000-AFL  | TV6000-AFL  |
|-----------------------------|---|---|
| Log diameter                | Min - 120mm (5")<br>Max - 450mm (18")   | Min - 120mm (5")<br>Max - 450mm (18")   |
| Max log length              | 3.3m (10') or 4.5m (15') or 6.6m (22')<br>(Feed length dependant)   | 3.3m (10') or 4.5m (15') or 6.6m (22')<br>(Feed length dependant)   |
| Min log length              | 1.8m (70.8") or 2.4m (90.5") respectively   | 1.8m (70.8") or 2.4m (90.5") respectively   |
| Blade width                 | 100mm or 125mm (4" or 5")   | 150mm (6")  |
| Blade kerf                  | 2.5mm (3/32 inches)   | 2.5mm (3/32 inches)   |
| Main saw motor              | Electric motor 22kW (30HP)<br>Electric motor 30kW (40HP)  | Electric motor 45kW (60HP)<br>Electric motor 55kW (75HP)  |
| Feed motor                  | Electric motor 4kW (3HP)  | Electric motor 5.5kW (7.5HP)  |
| Feed speed                  | 0 - 40m/min (0 - 130ft/min) (motor & blading dependent);<br>Electronic variable feed speed control                | 0 - 60m/min (0 - 195ft/min) (motor & blading dependent);<br>Electronic variable feed speed control                |
| Feed type                   | Sharp chain   | Sharp chain   |
| Band wheel diameter & width | 950mm (37.5") x 100mm (4")  | 1200mm (47") x 150mm (6")   |
| Sizing method               | Servo / Ball screw  | Servo / Ball screw  |
| Saw tensioning              | Hydraulic with spring   | Hydraulic with spring   |
| Optional extras             | Overhead carriage for multiple pass functionality<br>Additional outfeed hold downs<br>Various sharp chain options | Overhead carriage for multiple pass functionality<br>Additional outfeed hold downs<br>Various sharp chain options |





# HR2000 – TITAN Hybrid Resaw

The TITAN Hybrid Resaw packs a punch when it comes to performance for such a small package. When fitted with 3-inch stellite-tipped blades, this machine is more than capable of feed speeds in excess of 40m/min without wavering in the cut.

Its high performance is the result of many years of design refinement. It utilises the high strain TITAN column design offering accurate, highspeed cutting at an affordable price.

Being a TITAN Hybrid, this machine is highly versatile. It can be fitted with narrowband blades or 3-inch performance blades. It can be used to process sideboards and square cants alike. With its solid frame, this machine can be moved quickly and integrated into existing operations with ease.

Its flexibility, low power consumption, high performance and high quality make it our most popular resaw on the market.



### KEY FEATURES:

- Feed speeds up to 40 m/min (0 - 120ft/min)
- Compatible for blade sizes: 50 to 80mm (2" to 3")
- Throat width 350 mm (13")
- Single or twin-head configurations
- Heavy duty TITAN headrig column for high strain, high speed sawmilling
- Pneumatically assisted, powered hold-down
- Heavy duty slatt-chain feed with variable speed
- Stationary arbour drive wheel system

\* Available in single or twin head configurations



**Outfeed Hold Down Roller**  
Heavy duty driven roller on outfeed.



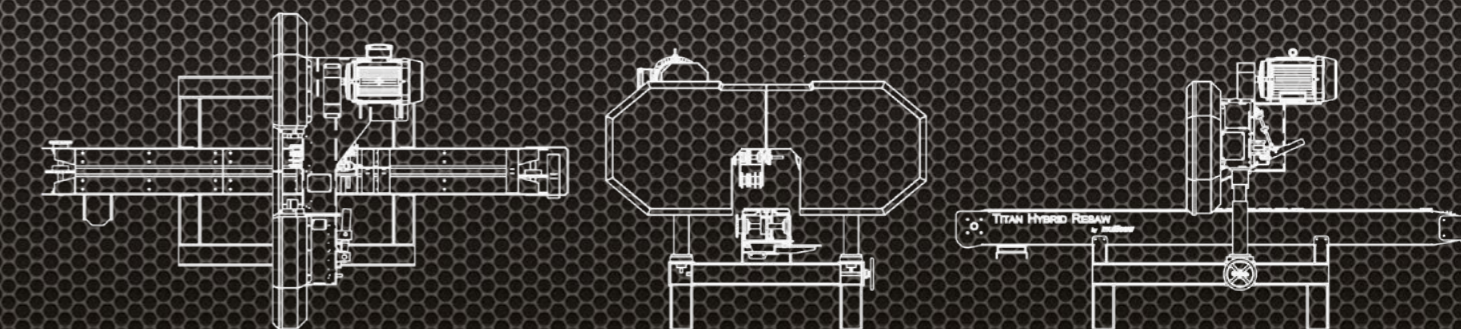
**Infeed Hold Down Roller**  
Heavy duty driven roller on infeed.



**High Power**  
22kw (30HP) standard.

### Performance Specifications

| Model                 | HR2000   |
|-----------------------|--|
| Throat width          | 350mm (13")  |
| Max material height   | 290mm (11")  |
| Min material height   | 15mm (5/8")  |
| Blade width           | Min - 50mm (2")<br>Max - 80mm (3")   |
| Blade kerf            | 2.5mm (0.095")   |
| Main saw motor        | Electric motor 22kW (30HP)   |
| Feed motor            | Electric motor 1.1kW (1.5HP)   |
| Feed speed            | 0 - 40m/min (0 - 120ft/min) (motor and blading dependant);<br>Electronic variable feed speed control |
| Feed type             | Heavy duty slatt-chain with driven pneumatic hold down   |
| Band wheel diameter   | 780mm (30.7")  |
| Band wheel width      | 50mm to 78mm (2" to 3") (customer specific)  |
| Saw tensioning        | Hydraulic with spring (airbag optional)  |
| Configuration Options | Single / Twin / Multi - head   |



# HR4000-1/2 & HR6000-1/2 – TITAN Resaws & Twin Resaws

The TITAN HR4000 and TITAN HR6000 Resaws and Twin Resaws offer ultra-fast size changes during the resawing process. As little as 0.6 seconds is needed to change the size for each and every sideboard (depending on thickness), even when feeding at over 20 pieces per minute (depending on board length). As a result optimal recovery is achieved, unlocking extra product that previously would have gone to waste.



Importantly, no sorting of material is needed prior to this machine. Both the TITAN HR4000 and TITAN HR6000 models make use of the same heavy duty feed systems. With its larger 6-inch blades, the TITAN HR6000 model is capable of faster feed speeds, thereby offering higher production capacity. By using a Twin Head configuration, it is possible to make two cuts into each sideboard with only one pass.

### KEY FEATURES:

- Feed speeds up to 60/80 m/min (TITAN HR4000/HR6000)
- Compatible for blade sizes: 100 or 125 mm/150 mm (4" or 5"/6") (TITAN HR4000/HR6000)
- Throat width 430/450 mm (TITAN HR4000/HR6000)
- Single or twin-head configurations
- Electric servo sizing system for fast size changes – under 0.6 seconds! (depending on thickness)
- Heavy duty slatt-chain feed with variable speed
- Powered hold-down rollers on both the in- and out-feeds for fast, accurate material feed
- Robust TITAN headrig column for high strain, high speed sawmilling

\* Available in single or twin head configurations



### Heavy Duty Slatt Chain

Special steel slatt chain for accurate and consistent transport of material.



### Band Wheels

SG42 Cast Iron Bandsaw Wheels.

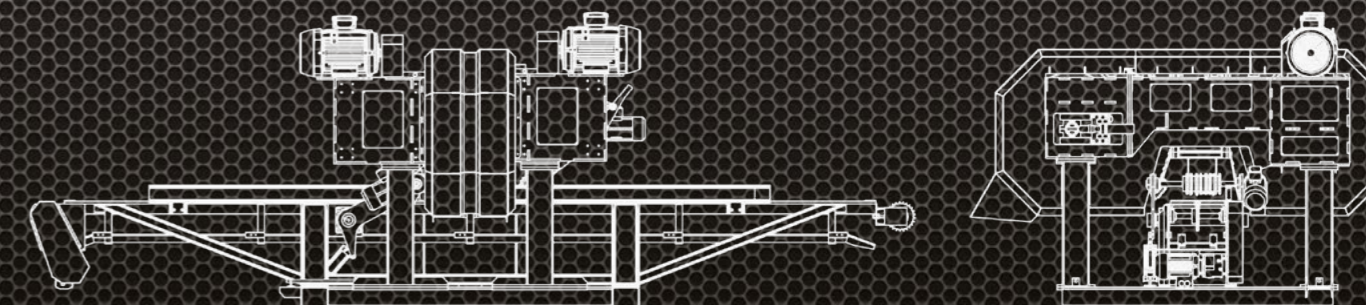


### Servo Sizing

High speed accuracy servo/ball-screw actuated sizing.

### Performance Specifications

| Model               | HR4000-1/2  | HR6000-1/2  |
|---------------------|---|---|
| Head configuration  | Single head, Twin or Multi-head   | Single head, Twin or Multi-head   |
| Throat width        | 430mm (17")   | 450mm (17,5")   |
| Material height     | Min - 15mm (5/8")<br>Max - 320mm (12,6")  | Min - 15mm (5/8")<br>Max - 330mm (13")  |
| Blade width         | 100mm or 125mm (4" or 5")   | 150mm (6")  |
| Blade kerf          | 2.5mm   | 2.5mm   |
| Main saw motor      | Electric motor 22kW (30HP)<br>Electric motor 30kW (40HP)                            | Electric motor 45kW (60HP)<br>Electric motor 55kW (70HP)                            |
| Feed motor          | Electric motor 1.5kW (2HP)  | Electric motor 2.2kW (3HP)  |
| Feed speed          | 0 - 60m/min (motor and blading dependant)<br>Electronic variable feed speed control | 0 - 80m/min (motor and blading dependant)<br>Electronic variable feed speed control |
| Feed type           | Heavy duty slatt-chain  | Heavy duty slatt-chain  |
| Band wheel diameter | 950mm (37.5")   | 1200mm (47")  |
| Band wheel width    | 100mm (4")  | 150mm (6")  |
| Sizing method       | Electric servo sizing system  | Electric servo sizing system  |
| Saw tensioning      | Hydraulic with spring (airbag optional)   | Hydraulic with spring (airbag optional)   |
| Hold downs          | Driven with pneumatic pressure  | Driven with pneumatic pressure  |
| Optional extras     | Board scanning and intelligent sizing<br>Pneumatic assisted hold down               | Board scanning and intelligent sizing<br>Pneumatic assisted hold down               |





## TITAN Circular Edgers & Multirips

The TITAN range of circular edgers and multirips consists of heavy duty multirips (gang edgers) and board edgers. The TITAN range of machinery utilises heavy duty, thick steel frames to reduce vibration and improve service life under even the toughest working conditions.

Throughout the TITAN range, care has been taken to allow quick access to wear components for easy machine maintenance.

We take a no-nonsense approach when we design and manufacture these machines, resulting in tough, long lasting machinery.

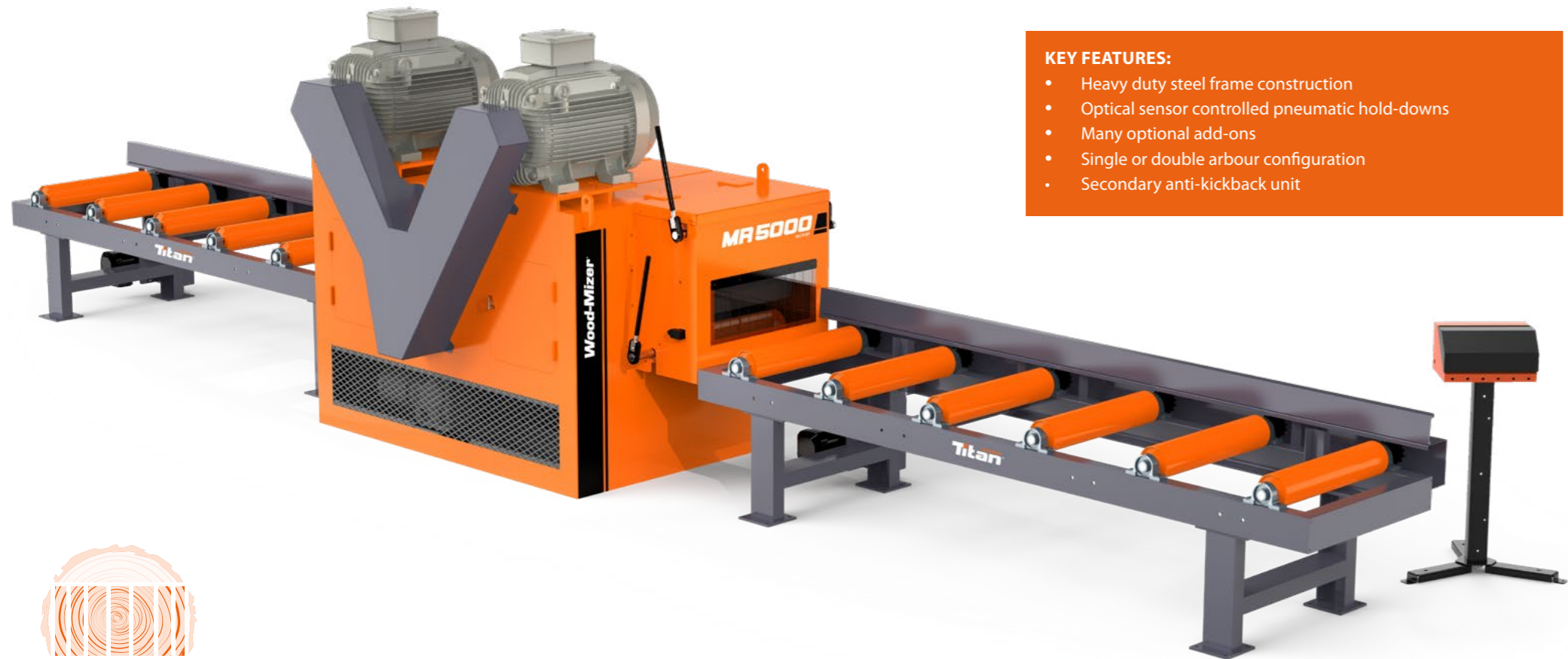
# MR3000 & MR5000 – TITAN Multirips

Our multrips are ideal workhorse machines, producing the majority of finished product in most of our sawmills. The simplicity of our design, coupled with solid construction and plenty of power, produce high throughput and top quality results.

Multirips are capable of making multiple high tolerance cuts in a single pass. Proper alignment of the cant going into the Multirip produces excellent throughput and recovery.

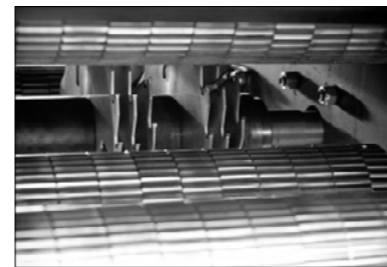
Sensors detect the presence of material, activating pneumatically assisted driven hold-downs to apply pressure down onto the cant, and guiding the timber accurately through the cut.

The high accuracy on board thickness along with the excellent cutting finish achieved by these circular saws result in improved recovery savings further down the line in the dry-milling/ finishing process.



### KEY FEATURES:

- Heavy duty steel frame construction
- Optical sensor controlled pneumatic hold-downs
- Many optional add-ons
- Single or double arbour configuration
- Secondary anti-kickback unit



Top and Bottom Driven Rollers



Anti-Kickback safety system

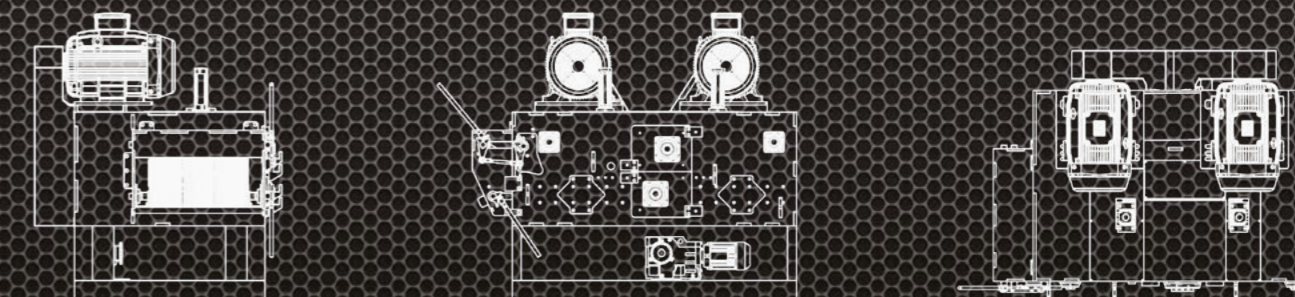


### Double Arbor System

Double arbor system allows for smaller diameter saws and less power for deep cuts.

### Performance Specifications

| Model                  | MR3000  | MR5000  |
|------------------------|---|---|
| Throat width           | 580mm (22") (max material width)  | 580mm (22") (max material width)  |
| Min material thickness | 80mm (3")   | 80mm (3")   |
| Max material thickness | 160mm (6")  | 240mm (9,5")  |
| Blade diameter         | 320mm (+/-12.5")  | 400mm (+/-15.7")  |
| Blade kerf             | 5mm (0.195")  | 5mm (0.195")  |
| Main saw motors        | 2 x 45kW motors (60HP)  | 75kW + 90kW (100HP & 125HP)   |
| Feed motor & gearbox   | 3kW   | 3kW   |
| Feed speed             | 0 - 40m/min(0 - 130ft/min)<br>Electronic variable feed speed control  | 0 - 40m/min(0 - 130ft/min)<br>Electronic variable feed speed control  |
| Hold downs             | Optical sensor activated pneumatics and driven hold downs   | Optical sensor activated pneumatics and driven hold downs   |
| Optional extras        | Arbor sleeves for convenient loading of saws<br>680mm (26") wide throat for extra wide cutting<br>Motor power upgrade<br>Driven roller tables on infeed and outfeed | Arbor sleeves for convenient loading of saws<br>680mm (26") wide throat for extra wide cutting<br>Motor power upgrade<br>Driven roller tables on infeed and outfeed |



# EG800 – TITAN Manual Board Edgers

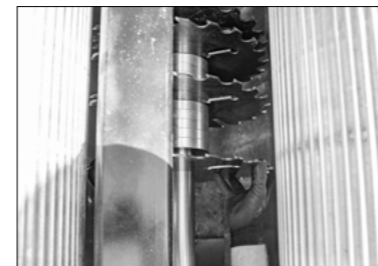
The TITAN Manual Board Edger is designed to offer a twofold solution to small and medium-sized sawmills. This robust machine edges material up to 40mm thick at high speeds, making it the ideal companion to the TITAN Resaws. It can also be run at slower feed speeds to rip material up to 110mm thick, making it an affordable alternative to a Gangsaw. Consequently, this TITAN product is a truly versatile machine.

This machine's primary function is to edge boards received from a resaw or a QVS (quad vertical saw). The wide arbour can be packed with multiple blades. By aligning the incoming board accordingly, it is possible to achieve a multitude of product sizes, simply and affordably.

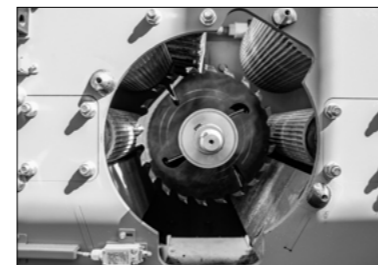
Whichever its intended use, this versatile machine is incredibly robust and easy to maintain. An affordable, hardworking solution for any mill!

### KEY FEATURES:

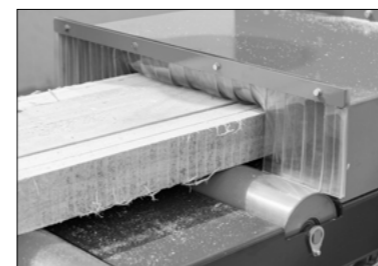
- Quick and easy maintenance due to bolt in sub-assemblies
- Variable feed speed, up to 60 m/min
- Can rip boards up to 110mm thick
- Can be used as gang edger
- Heavy duty modular rollers



Spacer sets for multiple width combinations



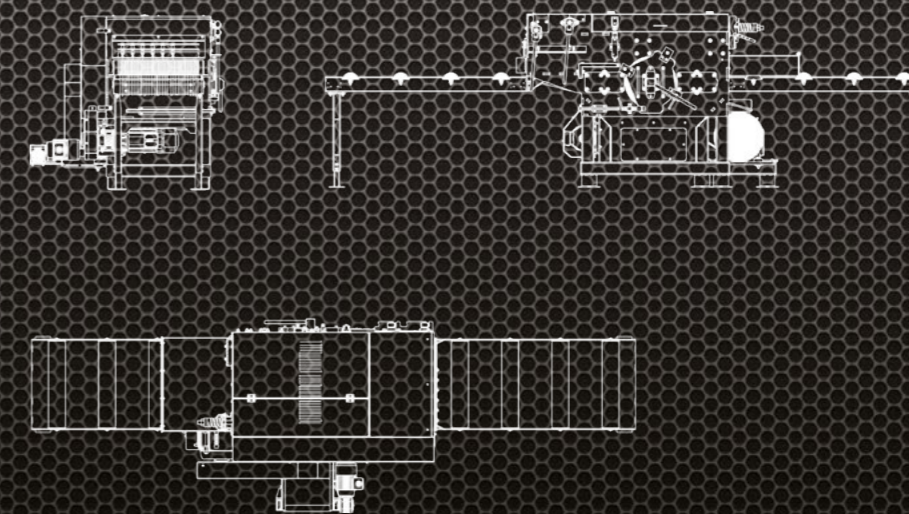
Heavy duty frame and feedworks for industrial use



Multi-rip Functionality

### Performance Specifications

| Model                  | EG800   |
|------------------------|---|
| Throat width:          | 640mm (max material width)  |
| Min material thickness | 12mm (1/2")   |
| Max material thickness | 100mm (4")  |
| Blade diameter         | up to 400mm (+/-15.5") (4 blades included with the base machine)  |
| Blade kerf             | 3 - 5mm (0.118" - 0.195") (material dependant)  |
| Main saw motors        | 30kW (40Hp) – standard<br>37kW (50Hp); 45kW (60Hp); 55kW (75Hp) – optional  |
| Feed motor & gearbox   | 3kW (4HP)   |
| Feed speed             | 0 - 60m/min<br>Electronic variable feed speed control   |
| Hold downs             | Driven, large diameter and high traction  |
| Optional extras        | Lasers for board alignment (4 set of lasers)<br>Extra infeed and outfeed manual roller tables - 1.6m (5') long each<br>Sawdust belt conveyor<br>Adjustable blade with Setworks (available in the second part of the year) |



# EA1000 – TITAN Lineal Scanning Edgers

The TITAN Automated Edger uses optical scanning technology to achieve high precision and low waste edging of boards.

The entire edging process is automated. First, each board is scanned. The profile of each board is then analysed by a computer, which decides on the best product to maximize recovery. Decisions are based on both volume recovery and product value. After scanning, the boards pass through an alignment station and then are sawn.

The EA1000 is capable of handling up to 20 boards per minute.

It is the ideal machine to edge boards coming from the TITAN Resaw. Electric servo sizing system achieves any width of cut without complication.

Parallel PLC / computer control systems allow the machine to be switched over to manual mode with a single button. Online support allows our technicians to dial into your machine to troubleshoot it remotely.

Overall, the TITAN Automated Edger is a simple, robust and automated solution to your edging needs.

### KEY FEATURES:

- Optical scanning on the run
- Easy to use windows interface
- Mechanised material handling for fast, accurate board alignment



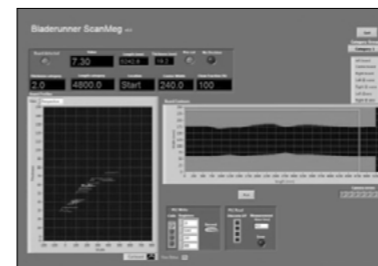
### Waste Tailer

Outfeed automatically separates waste from finished material.



### Sawing Unit

Heavy duty headrig with externally mounted drive components.

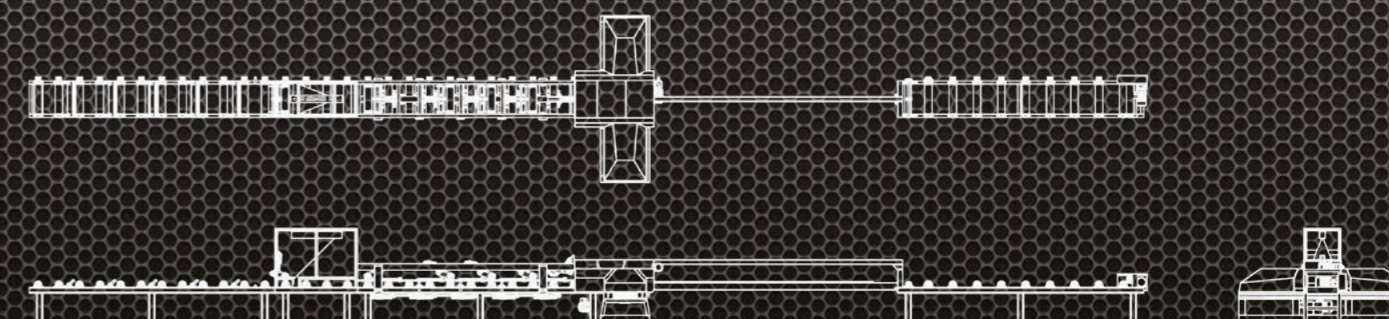


### Optimization

PC vision based optimization system calculates the best cut size for each board.

### Performance Specifications

| Model                | EA1000  |
|----------------------|---|
| Throat width         | 400mm (max material width)  |
| Cutting width        | Min - 40mm (1.5")<br>Max - 300mm (12") - customizable up to 400mm (15.5")               |
| Material thickness   | Min - 19mm (3/4")<br>Max - 45mm (1 1/2")  |
| Blade diameter       | 450mm (+/-17 1/2")  |
| Blade kerf           | 5mm (0.195")  |
| Main saw motors      | 2x 30kW (40Hp)  |
| Feed motor & gearbox | 11kW (15HP)   |
| Feed speed           | 80 - 140m/min (260 - 450ft/min)   |
| Piece Count          | Average up to 20 boards/min (length dependent)  |
| Sizing method        | Electric servo sizing system<br>Optical scanner controlled<br>Automated board alignment |
| Scanning method      | Computer controlled optical scanner   |
| Hold downs           | Driven pneumatic hold downs   |



# EA3000 – TITAN Transverse Scanning Edgers

The TITAN Automated Edger uses optical scanning technology to achieve high precision and low waste edging of boards.

The entire edging process is automated with each board being positioned and then scanned. The profile of each board is analyzed by a computer, which decides on the best product to maximize recovery. Decisions are based on both volume recovery and product value.

The EA3000 is capable of handling up to 12 boards per minute at 6,6m (22') or 15 boards per minute at 3,3m (10')

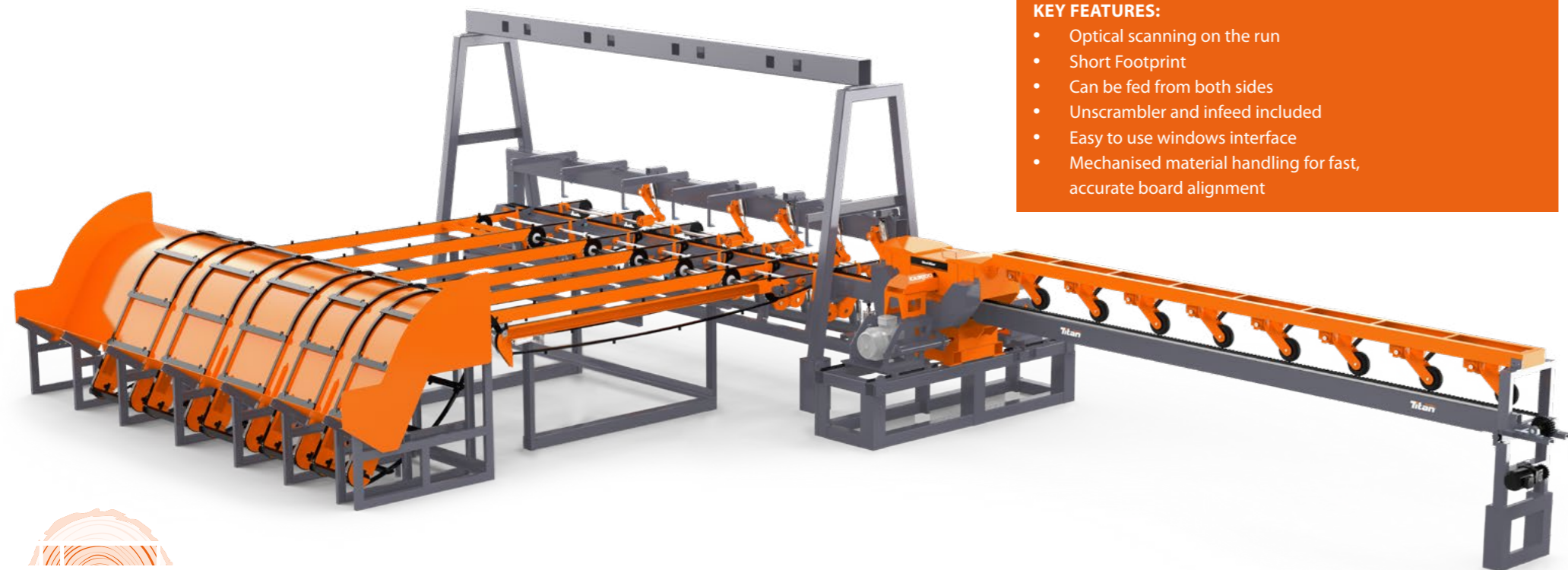
It is the ideal machine to edge boards coming from the TITAN Resaw. Electric servo sizing system achieves any width of cut without complication.

Parallel PLC / computer control systems allow the machine to be switched over to manual mode with a single button. Online support allows our technicians to dial into your machine to troubleshoot it remotely.

Overall, the TITAN Automated Edger is a simple, robust and automated solution to your edging needs.

### KEY FEATURES:

- Optical scanning on the run
- Short Footprint
- Can be fed from both sides
- Unscrambler and infeed included
- Easy to use windows interface
- Mechanised material handling for fast, accurate board alignment



### Board Positioning

Mechanical arms automatically position each board.



### Waste Tailer

Outfeed automatically separates waste from finished material.

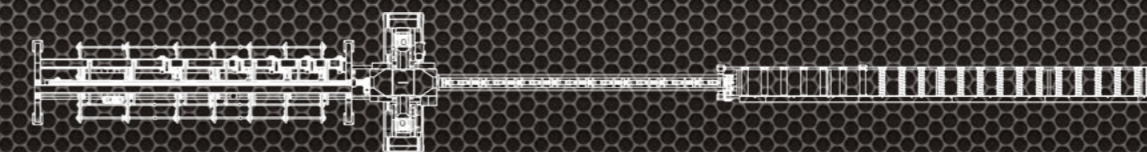


### Optimization

PC vision based optimization system calculates the best cut size for each board.

### Performance Specifications

| Model                | EA3000  |
|----------------------|---|
| Throat width         | 500mm (20") (max material width)  |
| Cutting width        | Min - 40mm (1.5")<br>Max - 400mm (15")  |
| Material thickness   | Min - 19mm (3/4")<br>Max - 75mm (3")  |
| Blade diameter       | 450mm (+/-17 1/2")  |
| Blade kerf           | 5mm (0.195")  |
| Main saw motors      | 2x 30kW (40Hp)<br>Optional - 2x 45kW (60Hp)   |
| Feed motor & gearbox | 11kW (15Hp)   |
| Feed speed           | 150 - 250m/min (500 - 820ft/min)  |
| Piece Count          | Average up to 18 boards/min (length dependent)  |
| Sizing method        | Electric servo sizing system<br>Optical scanner controlled<br>Automated board alignment |
| Scanning method      | Computer controlled optical scanner   |
| Hold downs           | Driven pneumatic hold downs   |
| Options              | In-line or transverse board scanning  |



## Wood-Mizer wideband sawmilling solutions

### About Wood-Mizer

Wood-Mizer revolutionised the sawmilling industry forever in 1982 when the first portable band sawmill was introduced to the market in the USA. Little did anyone realise at the time the market potential for small-scale sawmilling.

As global demand grew, so did Wood-Mizer's product range. In the early 2000s, Wood-Mizer launched an industrial line of narrow band sawmilling equipment that included breakdown headrigs, multihead resaws, edgers and a SLP Smart Log Processing line.

### The birth of Wood-Mizer wideband

In 2014, Wood-Mizer released their first wide band sawmill – the WB2000, and in 2016 Wood-Mizer entered negotiations with the South African sawmill equipment manufacturing company "Multisaw" to add their proven wide band range to Wood-Mizer's industrial offerings. Multisaw's reputation is based on years of supplying tough, robust and easy to maintain sawing equipment into one of the most demanding market areas in the world.

### Advantage

Wood-Mizer's wide band range is designed to improve timber production rates, increase recovery, reduce power consumption and elevate overall sawmill efficiency. These key points help our customers achieve better profitability and improve their competitive edge.

Our mill designs are interactive and customised according to our client specifications. Machine layouts are adaptable and easily integrated into existing sawmill lines.

### Global Support

With Wood-Mizer, our customers have access to an unparalleled global network for customer service and support. With branch locations on five continents, and trained distributors in more than 100 locations around the world, we firmly believe in supporting our customer as locally as possible.

### Proven results

Wood-Mizer's presence in the sawmilling market started in 1985. In the 32 years since then our products have been developed and proven in customer locations throughout the world in some of the harshest and most demanding sawing environments.



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



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



WIDEBAND SAWMILLS • PROCESSING EQUIPMENT



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