

The SERRA logo consists of the word "SERRA" in a bold, sans-serif font, enclosed within a rectangular border that has horizontal lines at the top and bottom.

SERRA

offers unique engineering



.mobile .stationary .worldwide



THE FASCINATION OF WOOD

Out of love for wood, the successful brand SERRA (lat. Saw) was founded in 1990 by the Bavarian founding family Fritz.

For almost 30 years now, the innovative company has been renowned for its high-quality, „Made in Germany“ products. Since the beginning of 2019 SERRA is part of the Austrian WINTERSTEIGER AG.

The unique SERRA technology is now available in over 80 countries successfully in daily use. From the small mobile sawmill to the complete sawmill line we offer for every need and purse in the most different climate zones customized solutions.

The award „Top 100 Innovation Prize“ is impressive proof of our lasting innovative strength.

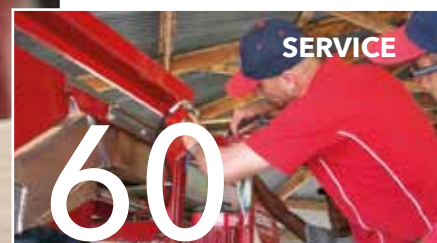
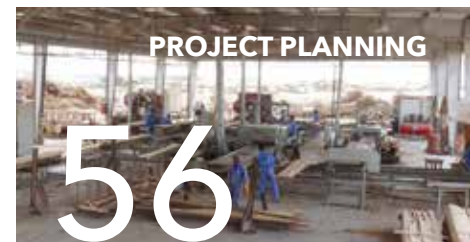
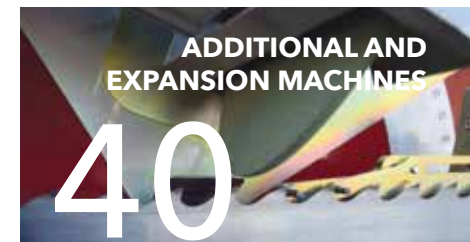
We are proud of our first-class, worldwide personal service. Further machines for Wood completes our product range. The love for wood accompanies us everywhere: We work in wooden buildings, heat with wood and process wood. We are therefore well versed in this valuable raw material and this is the right basis for building excellent machines.

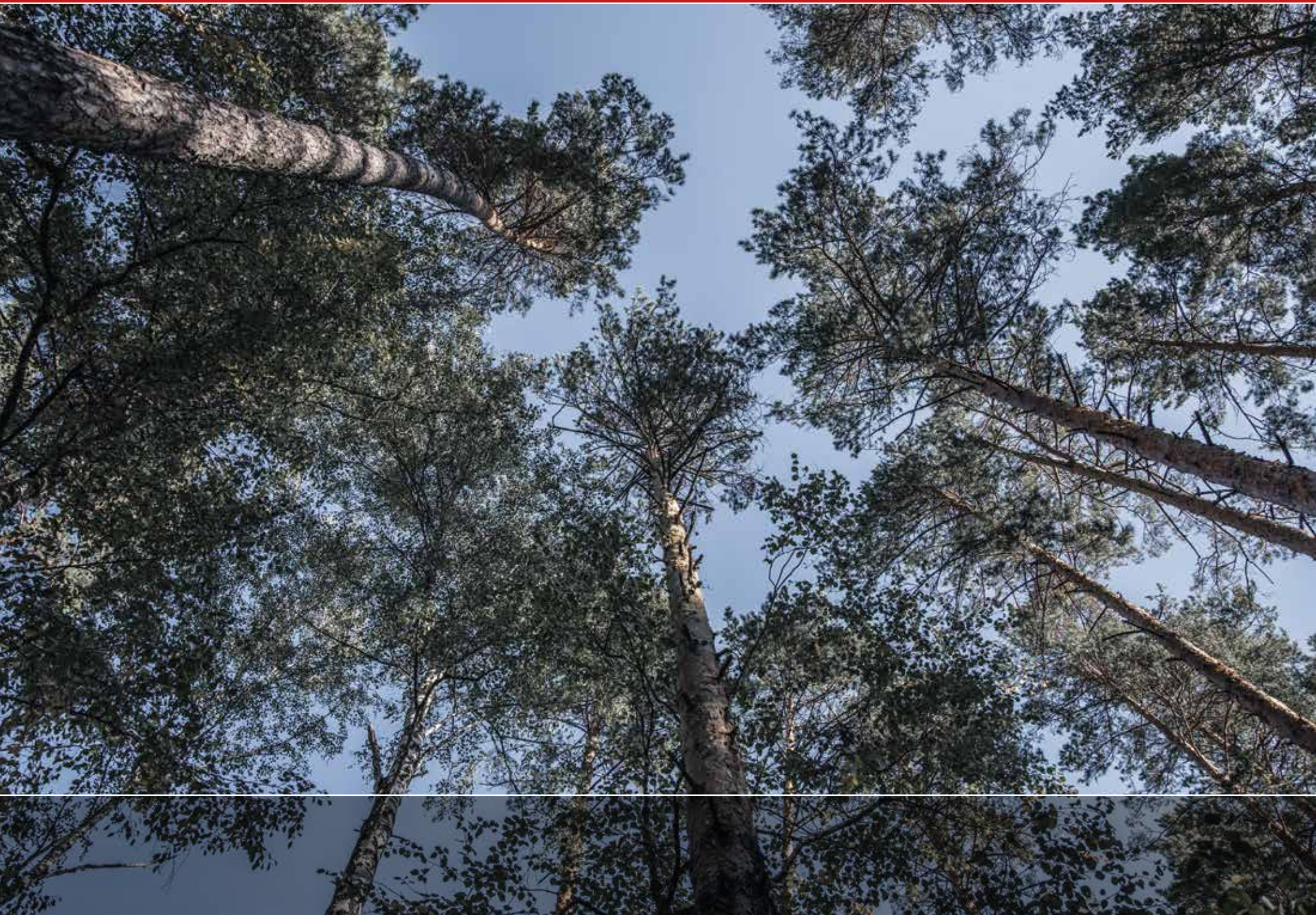
Convince yourself of us.
We look forward to seeing you!

Your SERRA Team

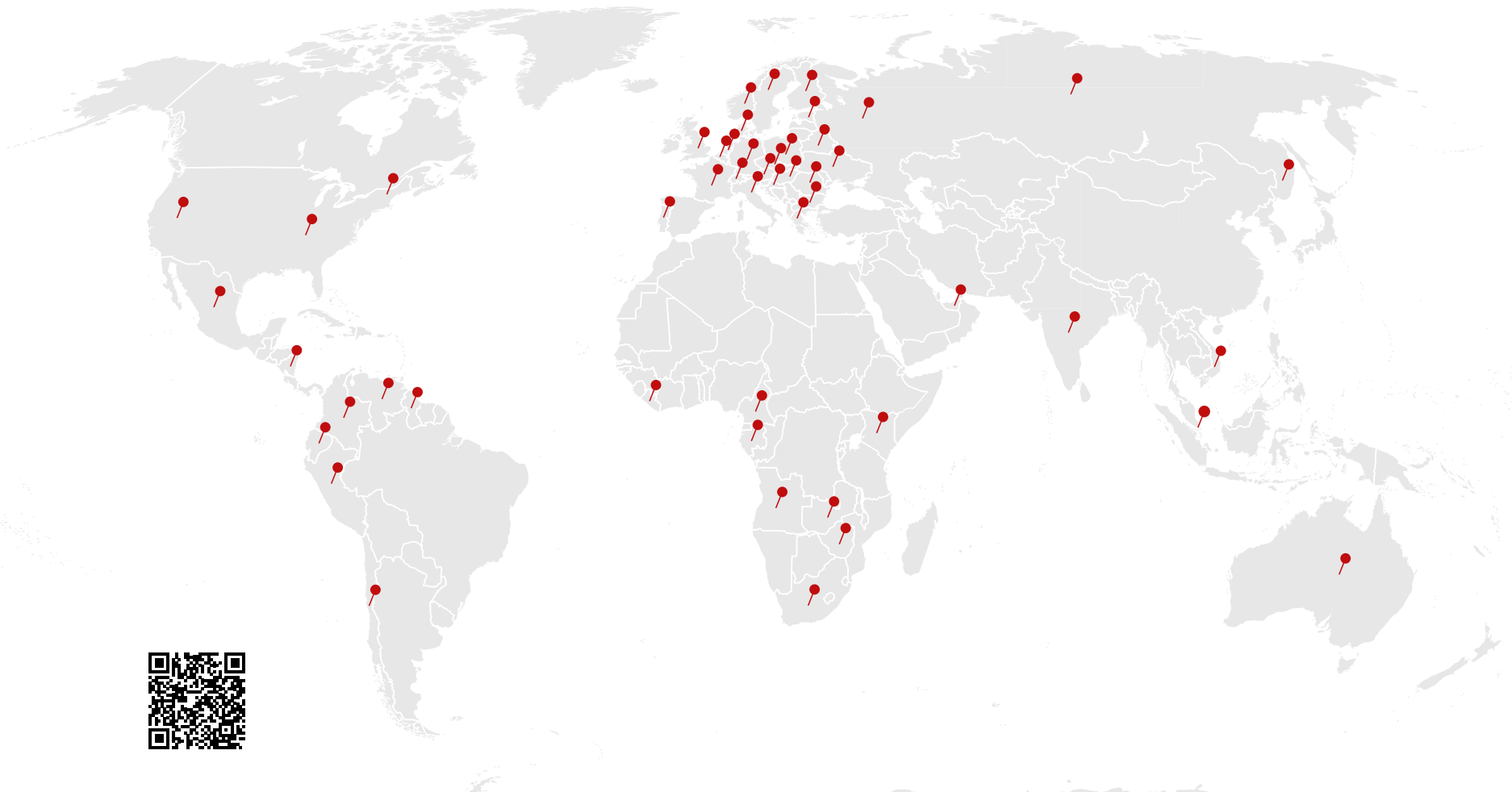


CONTENT





SERVICE & SALES WORLDWIDE



www.sawmills4us.com/company/distributors



- Industrial – also for very large logs up to 64 inches in diameter
- Extremely robust design with no weight restrictions on the equipment
- Higher throughput with lower investment costs
- Increased ease of operation because of tailor-made mechanization
- Supplementary machines for automated processes possible (project planning)
- All SERRA sawmills are available stationary (except XT 135)

STATIONARY SAWMILLS





- Flexible in use with diameters of up to 52 inches
- From the entry-level model to the premium giant (XT135)
- On the way from order to order in shortest possible time
- No long and costly raw material transports
- Mainly for custom cutting
- Increased operating comfort thanks to matching cabin
- All SERRA sawmills are mobile available (exception XE 160, XE 135, FE 50)
- Also available with diesel or petrol engines (KB & MD)

MOBILE SAWMILLS





POWERFUL SAWMILLS

Horizontal band saw mills are the core competence of SERRA. Four different size classes are available. Allowing you to mill logs with a maximum diameter of 36", 43", 52" or even 64", mobile and stationary.

SERRA's mobile sawmills in various weight and size classes are mostly used for custom cutting. Long hauls for logs can be prevented. For independence from the power grid, we also offer individual models with diesel or petrol engine, or you can work with a generator.

Furthermore: hot dipped galvanized frames (except SL) at mobile sawmills, high-quality stainless steel log supporters in each model avoid blue coloration while cutting acidic wood, two possible feeding systems (hydraulic or electric) and a angled cut, which facilitates the cutting into the log and increases the speed (except FE50).

SAWMILLS





XE 160 / XE 135

- For heavy logs with up to 52" / 64" in diameter
- Extremely robust and heavy built
- Variable saw head with a lot of space above the saw blade
- Convincing additional equipment
- Comfortable access to sawblade with hydraulic cover opening
- Optimized for project planning
- Various optional operator stand solutions

SAWMILLS

XE 160 / XE 135



Technical data

| | XE 160 | XE 135 |
|----------------------|----------------------------------|----------------------------------|
| Log length* | from 28" - 19.6 feet | from 28" - 19.6 feet |
| Log diameter | 64.2" | 52.3" |
| Space above sawblade | 27" | 19" |
| Space below sawblade | 54" | 44" |
| Width of cut | 55" | 39" |
| Performance / 8 h** | 15,000 BF | 14,000 BF |
| Main engine | 43 hp electric 60 hp electric | 30 hp electric 43 hp electric |

Dimension of sawblades

| | XE 160 | XE 135 |
|-----------|-------------|-----------------|
| Width | 6" | 4.75" - 5.5" |
| Thickness | 0.051" | 0.043" - 0.047" |
| Length | 280" - 300" | 217" - 237" |

* longer on request

** Dependent on diameter of log, board dimensions and number of helper



XT 135

- For heavy logs with up to 52 inches in diameter
- Big cutting length because of hydraulically foldable extension
- Variable saw head with a lot of space above the saw blade
- Comfortable access to sawblade with hydraulic cover opening
- Comfortable, lockable operators stand with protective roof
- Various cabins available

SAWMILLS



Technical data

XT 135

| | |
|----------------------|----------------------------------|
| Log length* | from 28 inches - 32 feet* |
| Log diameter | 52.3" |
| Space above sawblade | 19" |
| Space below sawblade | 44" |
| Width of cut | 39" |
| Performance / 8 h** | 14,000 BF |
| Main engine | 25 hp electric 30 hp electric |

Dimension of sawblades

XT 135

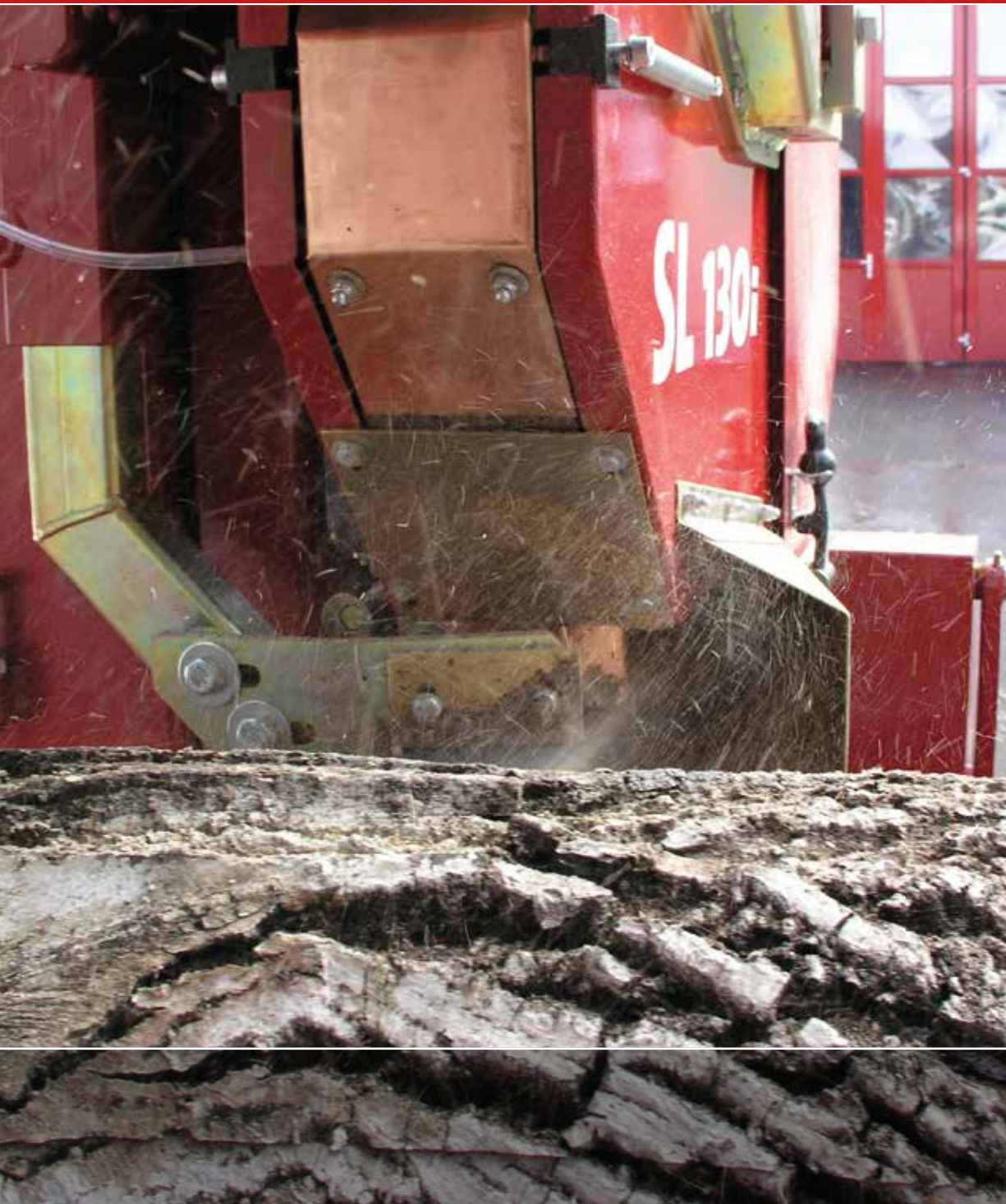
| | |
|-----------|-----------------|
| Width | 4.75" - 5.5" |
| Thickness | 0.043" - 0.047" |
| Length | 217" - 237" |

* longer on request

** Dependent on diameter of log, board dimensions and number of helper

XT 135





SL 130i / SL 110i

- For heavy logs with up to 43" / 51" in diameter
- Award winning, proven technology for many years
- Variable saw head with a lot of space above the saw blade
- Two possible feeding systems: hydraulic or electric
- Comfortable V-Cockpit

SAWMILLS



Technical data

| | SL 130i | SL 110i |
|----------------------|----------------------------------|----------------------------------|
| Log length* | 28" - 52 feet mobile | 28" - 52 feet mobile |
| Log diameter | 51.5" | 41.9" |
| Space above sawblade | 19" | 19" |
| Space below sawblade | 44" | 34" |
| Width of cut | 39" | 32" |
| Performance / 8 h** | 14,000 BF | 14,000 BF |
| Main engine | 25 hp electric 30 hp electric | 25 hp electric 30 hp electric |

Dimension of sawblades

| | SL 130i | SL 110i |
|-----------|-------------|-------------|
| Width | 4" - 4.75" | 4" - 4.75" |
| Thickness | 0.043" | 0.043" |
| Length | 217" - 237" | 209" - 224" |

* longer on request

** Dependent on diameter of log, board dimensions and number of helper

SL 130i / SL 110i





ME 110

- For heavy logs with up to 41 inches in diameter
- Convincing additional equipment
- Customer-specific frame division through innovative basic frame concept
- High-quality corrosion protection due to hot-dip galvanized base frame

SAWMILLS



Technical data

ME 110

| | |
|----------------------|----------------------------------|
| Log length* | 28 - 29 feet mobile |
| Log diameter | 41.9" |
| Space above sawblade | 20" |
| Space below sawblade | 34" |
| Width of cut | 32" |
| Performance / 8 h** | 11,800 BF |
| Main engine | 25 hp electric 30 hp electric |

Dimension of sawblades

| | |
|-----------|------------|
| Width | 4" - 4.75" |
| Thickness | 0.043" |
| Length | 224" |

* longer on request

** Dependent on diameter of log, board dimensions and number of helper

ME 110





KE 90 / KB 90

- For heavy logs with up to 36 inches in diameter
- Two main drives options are available:
Electric or air cooled V2 petrol engine from Vanguard.
- Convincing additional equipment
- Innovative base frame concept
- Customer-specific frame division through innovative basic frame concept
- High-quality corrosion protection due to hot-dip galvanized base frame
- Manual or hydraulic saw blade tensioning selectable

SAWMILLS



Technical data

| | |
|----------------------|--------------------------------|
| Log length* | 28" - 32 feet mobile |
| Log diameter | 34.8" |
| Space above sawblade | 16" |
| Space below sawblade | 33" |
| Width of cut | 29.5" |
| Performance / 8 h** | 7,600 BF |
| Main engine | 25 hp electric 35 hp petrol |

Dimension of sawblades

| | |
|-----------|--------|
| Width | 3.15" |
| Thickness | 0.039" |
| Length | 201" |

* longer on request

** Dependent on diameter of log, board dimensions and number of helper

KE 90 / KB 90





FE 50

- For logs with up to 19.68" in diameter
- 5 hppower engine
- Operator is not located on the side of the emerging sawdust
- Innovative sawblade concept with metal band sawblades of bimetal. No sharpening. No tooth setting.
- Easy to operate
- Extendable with 88 inches long extensions
- Low purchase price at high productivity at the same time.

SAWMILLS

FE 50

Technical data

| | |
|----------------------|---------------|
| Log length* | 24" - 141" |
| Log diameter | 21.6" |
| Space above sawblade | 7" |
| Space below sawblade | 18" |
| Width of cut | 15" |
| Performance / 8 h** | 2,000 BF |
| Main engine | 5 hp electric |

Dimension of sawblades

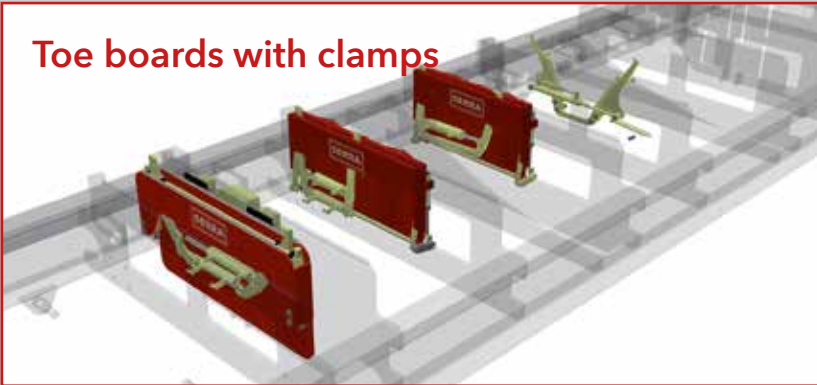
| | |
|-----------|--------|
| Width | 1.375" |
| Thickness | 0.035" |
| Length | 122" |

* longer on request

** Dependent on diameter of log, board dimensions and number of helper



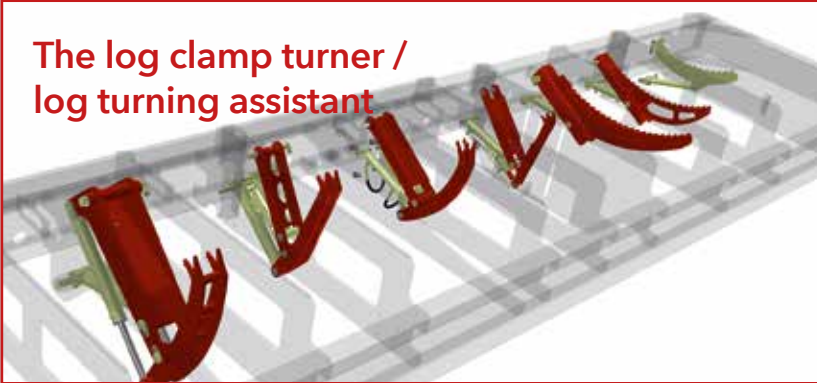
Toe boards with clamps



Toe boards with clamps

- levels the log in a way that its centre is parallel to the sawing bed.
- clamp the log with their height adjustable clamps.
- pulls the log down against the log supporters.
- lower priced variant: clamps without leveling function of the log

The log clamp turner / log turning assistant



The log clamp turner / log turning assistant

- turns and clamps the log without damaging it.
- particularly flexible also at special cuts like wedges, multiple sided beams, etc.
- useful in combination with the log turning assistant, which prevents a possible roll back of the log while repositioning the log clamp turner.

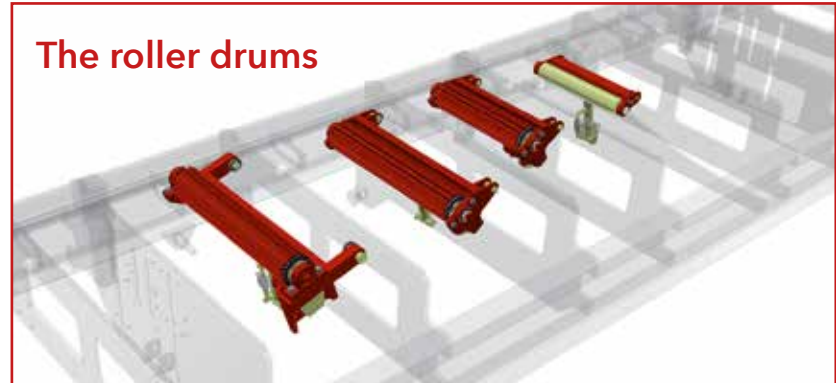
MODULES / EQUIPMENT

Different hydraulic tools available for all models in order to optimize the handling of logs. Compile your machine individually or choose from one of our hydraulic packages.

You have the choice. Of course we can assist you in what components you need for your needs. We can discuss not only the required number of tools, rather also the position in the frame they can be mounted. In doing this we make your sawmill more user friendly which in turn will increase your productivity and success.

On this double page we will show you a selection of possible hydraulic modules.

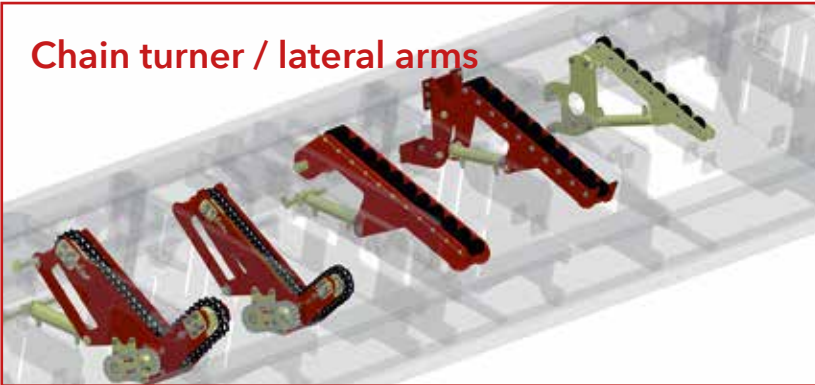
The roller drums



The roller drums

- moves the log back and forward to the right position on the sawing table.
- can move the milled lumber to the end of the mill.
- by using spiral rollers the lumber can be moved laterally
- not powered, lower priced variant possible

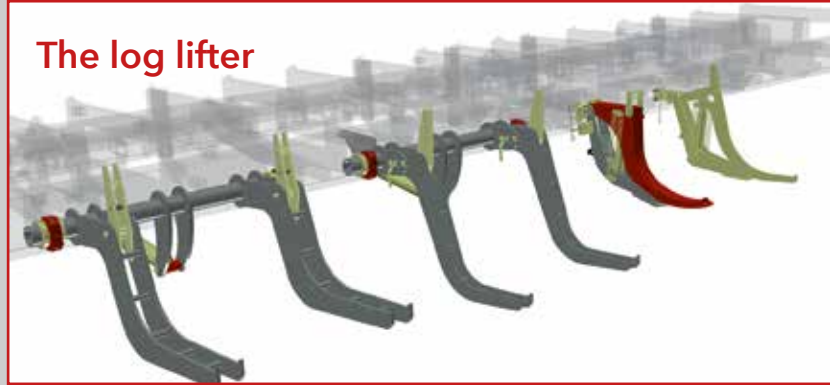
Chain turner / lateral arms



Chain turner / lateral arms

- The chain turner and lateral arms move the milled lumber laterally on to the lateral arms beside the mill.
- Chain turners allow fast turning of small and medium sized logs.

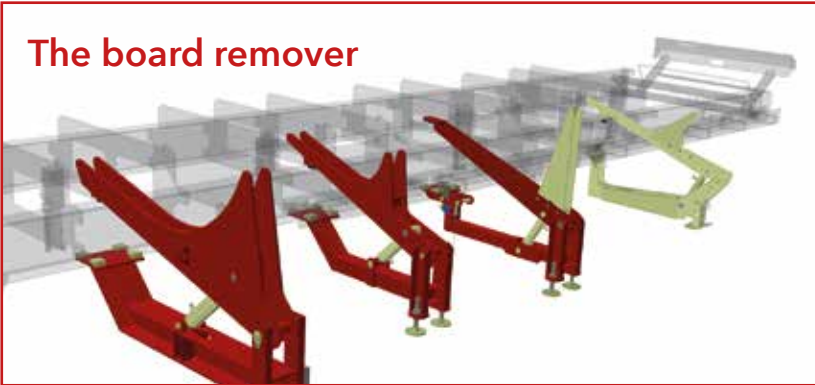
The log lifter



The log lifter

- two different variants: At heavy machines, the log lifters are supported by the frame. At the lighter machines the log lifters are supported on the ground, can be placed according to the length of the logs and in order to transport the mill, you just lift and fold them up.
- depending on the model, logs with a weight up to 10 t can be lifted up to the sawing bed.

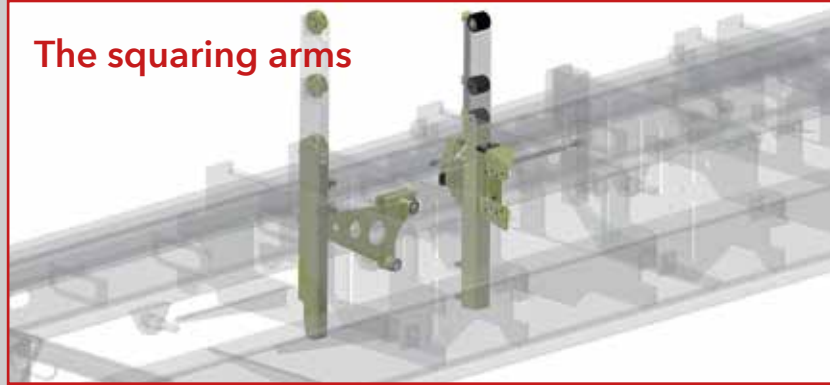
The board remover



The board remover

- Receiving the waste and side boards by turning the log with your turning system.
- With the help of chain turners or the lateral arms in the frame the milled lumber gets pushed onto the board remover.
- By lifting up the board removers the cut wood falls down to the ground or stays on it or gets forwarded onto a buffering station. You decide which version fits best for you.

The squaring arms



The squaring arms

- prevent the log from rolling off while loading and turning.
- are required for 90 degrees angled lumber. The angle is adjustable.
- the squaring arms surveillance of the PLC avoids any unintentional damage.



Log feeders

Hot dipped galvanized, hydraulic driven, connected to the sawmill and operated from it. More units are possible.



Log feeders

Extreme heavy built log feeders, hot dipped galvanized, electric driven, 30t capacity, operated from the sawmill. More units are possible.

STANDARD EXPANSION MODULES/ MATERIAL HANDLING

The following standard modules are available for facilitating the flow of wood on the log band saw. All modules are operated by the operating company of the sawmill. Ejectors and unwinders are also available for mobile sawmills, with cutting unwinders being foldable.



Log feeder with buffering station and separator

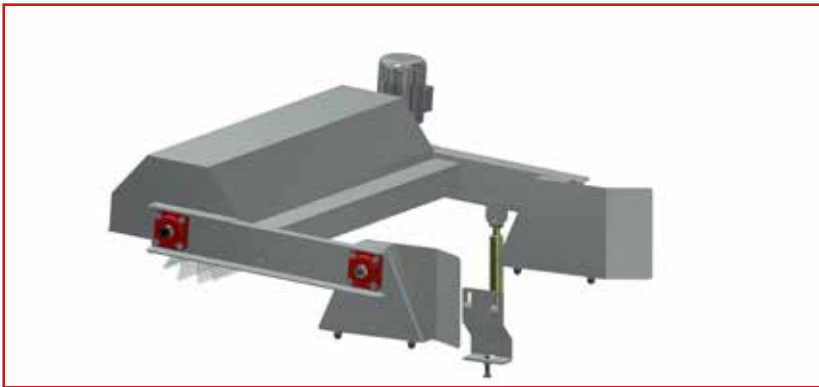
Heavy built, hot dipped galvanized, electric driven conveyor chain. Separation hydraulically.



Conveyor belt

(13,12 ft) with conveyor (19,68 ft) hydraulically height adjustable

- optional with board brushes



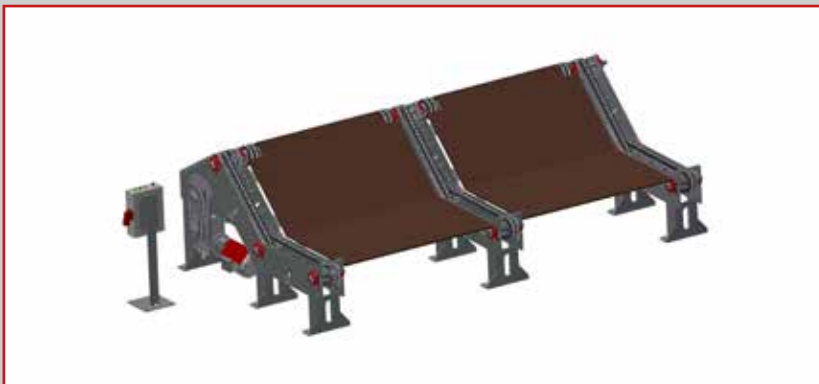
Board brush above

- hydraulically board
- height adjustable



Board brush below

Expensive woods must be cleaned of sawdust before drying. This is what the brush system is used for, which are installed on the roller conveyors or conveyor belts.



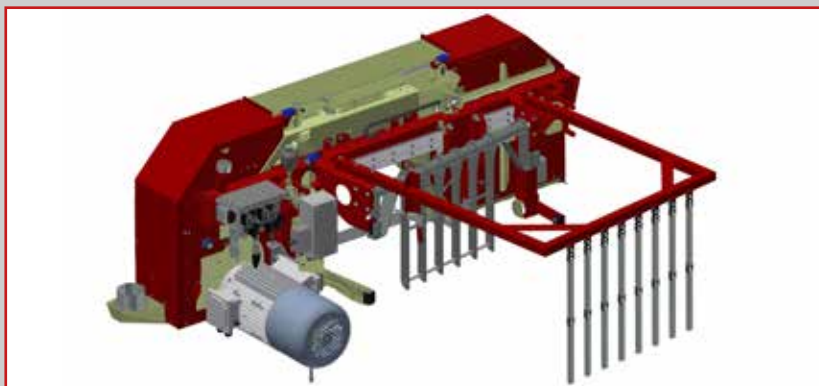
Board transporter with separator and collector station

Transfers the boards from the receivers of the mill to the collector station and separates the boards. Measurements on request. Price valid for complete unit. More available on request.



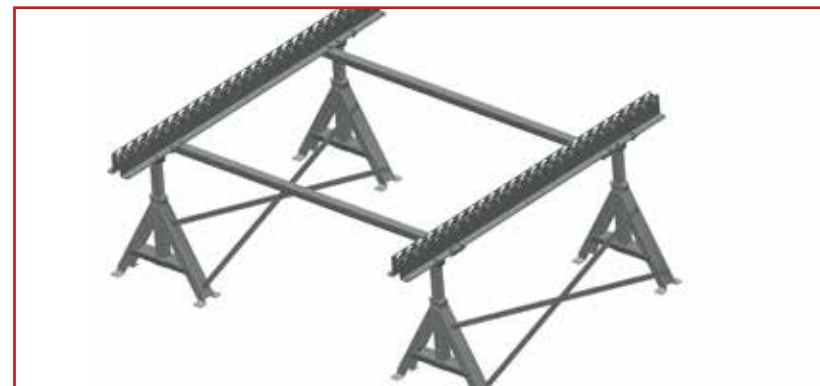
Buffering station

For collecting the boards before they are transported to the next machine.



Push-back system

- another cuttings removal variant is the push-back system.
- each board is taken along by the returning saw head after cutting.
- next, the system forwards these to a conveyor belt, which transports the boards directly to the resaw.



Reinforced buffering station

Function as above mentioned at buffering station, with adjustable height and angle.



Manual conveyor

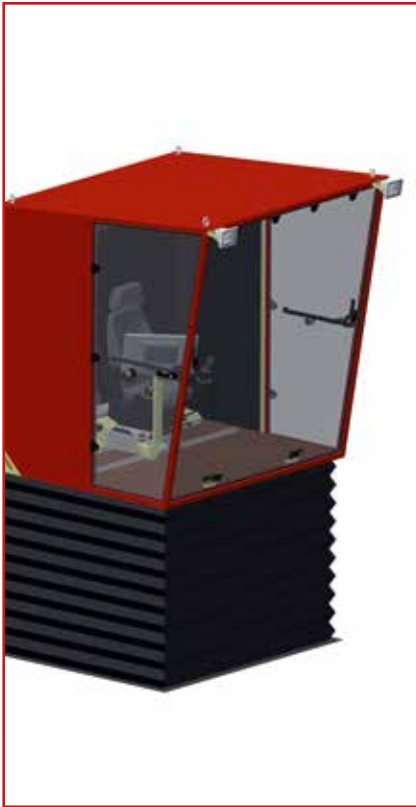
Stable built, hot dipped galvanized, to transport the boards to the next working station.



Driven conveyor

Stable built, hot dipped galvanized, to transport the boards to the next working station. Electric driven.

OPERATORS STANDS



Luxury cabin ProComfort Plus

- spacious, insulated and noise proofed
- height adjustable up to max. 61 inches
- comfort seat can be moved side-ways 19 inches
- two glass doors
- Note! The cabin is not suitable for container transport



Multifunctional cabin mobile

- insulated and noise proofed
- hydraulically foldable
- comfort seat
- glass door



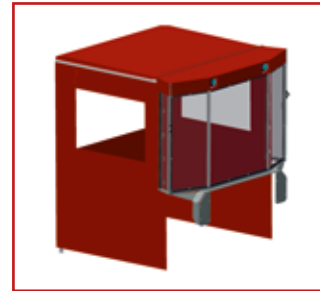
V-Cockpit mobile Maxi

- controls arranged in an ergonomic way
- four rows of hydraulic levers for max. equipment
- combinable with big mobile cabin



Cockpit stationary

- decoupled from the machine
- comfort seat
- high adjustable, if required



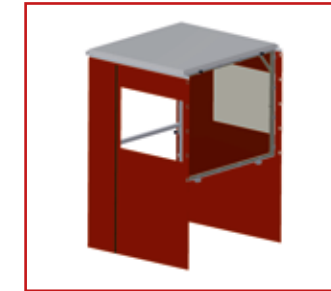
Big mobile cabin

- safety glass
- foldable roof
- lockable operators stand



Stand-alone version

- decoupled from the machine
- ideal for building your own cabin around it



Foldable cabin mobile

- completely folded forward onto the sawing bed for transport.
- light-weight aluminum construction



NETWORKS

SERRA PROCOMFORT PLUS

Big full HD display with 21.5"

- touch control with all current cutting programs
- two joysticks with user defined function layout
- fire button for quick change of the function layouts
- batch-capability, that means programming of recurring functional processes. (e.g. unloading) starts by pressing the button.
- speedometer (Cutting speed)
- Squaring arms surveillance, pedal return of the sawhead and fully automatic milling possible

SERRA COMFORT PLUS



TFT Display

- touch control with all current cutting programs
- one joystick with all functions required while milling and with AVS
- Squaring arms surveillance, pedal return of the sawhead and fully automatic milling possible
- removable for transport

SERRA COMFORT



TFT Display

- same as SERRA Comfort Plus, but without joystick

SERRA CLASSIC



LCD display with background lightning

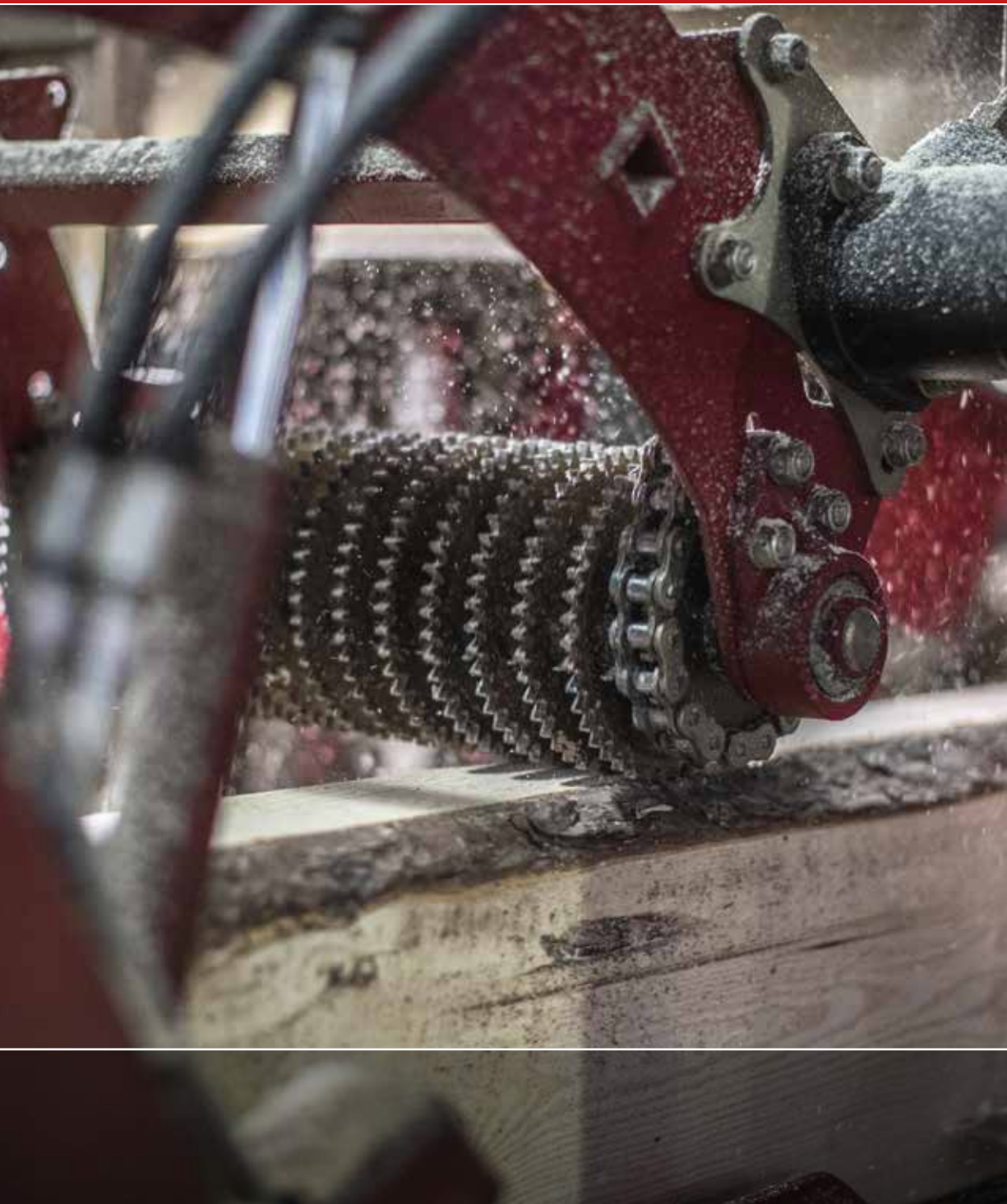
- keyboard: foil
- cutting program single board
- cutting program stack
- cutting scheme capable
- working hour counter

SERRA BASIC



7 segment display

- keyboard: foil
- cutting program single board
- cutting program stack
- Not suitable to diesel or petrol engines



With a SERRA sawmill, you can produce all needed products like edged boards, lathes, cants and beams with a single machine. Business is growing after a little while? Extend your technology with a resaw!

// *A resaw does not replace your main mill,
but it will significantly relieve it*

With a powerful resaw from SERRA the output increases enormously. Boards can be edged by our Duett/Quartett dual-trimmers, for example. If you are producing board material or even slats, you may be interested in our multi-head band resaws and if there is a need of really very high production have a look at the multirip resaw CS 600 with main engines up to 120 hp.

RESAWS

CS 600



MK 402



DUETT / QUARTETT





CS 600

High performance multirip resaw with innovative circular saw technology.

The heavy built design consists of two 0.590" thick lasered and mill-cutted steel plates. Between them, the whole machine is built up. Chain and V-belt drives are mounted externally.

The speed of two separately controlled feeding systems is adjustable via a frequency converter. The height is adapted hydraulically to the wood. Spacious opening to the hardened saw shaft for easy saw blade changing. Unlike most other multirip resaws on the market the saw shaft is supported only twice.

Therefore very precise and quiet. Central lubrication! Optional conveyor belt for lateral saw dust transport.

RESAWS



Technical data

| | |
|---------------------------------|--|
| Pass through width max. | 23.6" |
| Pass through height | 6.25" |
| Cutting length min. | 34.5" |
| Saw shaft | hardened, located under the wood, turns against feed direction |
| 6 driven feed rollers | |
| Diameter of circular saw blades | 13.75" - 19.5" |
| Main engine | 30 hp - 120 hp |
| Saw shaft speed | 2,400 rpm |
| Feeding speed (adjustable) | 0 - 118 ft per/min. |
| Working height | 33.4" |
| Width | 5.25 feet |
| Length | 10.5 feet |
| Height | 5.25 feet |
| Weight (max.) | 7,275 lbs |

CS 600





MK 402 TO MK 405

Depending on the number of desired sawheads

The multi-head sawmill from SERRA is used as a resaw for boards and slats.

// *Energy efficient - productiv - resilient*

The benefit against a circular resaw is, that the cutting kerf is much thinner. Because of that less precious wood will be transformed into sawdust, furthermore the power requirement is lower. In contrast to the main sawmill not the sawhead is moving back and forth along the log. Instead of that, the sawhead is static and the lumber gets pushed through.

RESAWS



Technical data

| | |
|-------------------------|--------------------|
| Log length | 47" - infinite |
| Width of cut | 15.75" |
| Height of cut | 0.27" - 15.75" |
| Performance per sawhead | 15 hp / 25 hp |
| Feeding speed | 0 - 114 ft per/min |

Dimension of sawblades

| | |
|-----------|--------|
| Width | 3.15" |
| Thickness | 0.039" |
| Length | 201" |

MK 402





DUETT / QUARTETT

A resaw with two (Duett) or with four (Quartett) circular saw blades can be the perfect addition for your sawmill. Simple but strongly built. Available as a mobile or stationary machine. A corrosion resistant construction made of aluminium and many galvanised parts guarantees long-term value retention.

Quick set-up and dismantling of mobile version. Particularly popular with stationary sawmills as a circular resaw. Innovative rubber wheels ensure high adhesion even with icy boards. The board width is adjusted via a driven spindle. The distance of the saw blades is displayed on a scale. Setwork available.

RESAWS



Technical data

| | |
|--------------------|------------------------------------|
| Height of cut | to 2" |
| Width of cut | 2" - 16.75" |
| Pass through width | 0.0039" |
| Length of deck: | |
| Infeed | 16.4' |
| Outfeed | 10.5' |
| Length of board | unlimited |
| Weight | 640 lbs / 900 lbs |
| Engine | electric (2 x 6.7 hp/ 3hp feed) |
| Plug | 32 Ampere |

DUETT / QUARTETT





As with all cutting technologies, the sharpness of the tool is of great importance.

The „Shark“ series of grinding machines offers innovative technology. Tensioning and levelling devices complete the sharpening room.

We also offer generators as an addition to our saw mills. Producing your own electricity enables you to work with an electric-driven SERRA saw mill independently from the power grid.

ADDITIONAL AND EXPANSION MACHINES





SHARK 200

A precision machine which is particularly easy to use. The Shark 200 is an innovative new development in the field of dry grinding. With integrated extraction. The patented device has a large grinding wheel with a diameter of 300 mm.

The basic configuration already includes a diamond dresser mounted on a swivel arm. This means the disc maintains the same profile and ensures absolute precision at all times. No conversion work is required if a different tooth pitch or shape is to be ground. Simply change the cam and continue sharpening. Large scale for quick and easy adjustment of the cutting angle.

// *Innovative new development in the field of dry grinding*

The balanced grinding wheel causes almost no vibrations, resulting in a better grinding pattern (similar to wet grinding machines!) while also significantly minimizing the risk of cracks in the blade! Easy balancing of the grinding wheel with the included balancer. Optimum adjustment of the feeding speed through frequency converter. As standard with counter and automatic switch-off function.

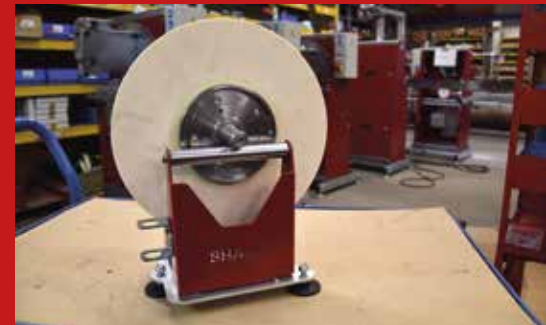
EXPANSION MACHINES



Technical data

| | |
|----------------|---|
| Engine | Grinding 1,4 kW Feeding 0,18 Extraction 0,08 kW |
| Grinding wheel | 300 x 10 x 76,2 mm |
| Feeding speed | stepless adjustable |
| Selective cam | Standart is PCP or PV, a lot more are available |
| Tooth pitch | from 15 to 55 mm |
| Weight | 205 kg |
| Plug | 16 Ampere CEE-plug |

SHARK 200





SHARK 100

The precision of the Shark 200 is considered one-of-a-kind on the market compared to other dry grinding machines.

Not even the Shark 100 can match this accuracy. But something else makes it rather unique: With a weight of only 152 lbs it is easy to transport and can always be brought along when on the road with a mobile band sawmill from SERRA. This means that dull saw blades can be resharpened already during the day. If the sharpener stays at home, the resharpening has to be done after work.

// *Shark 100 - The perfect companion for the road*

The compact design and excellent transport properties make the Shark 100 a very popular unit. The black handle bar on the left is used to adjust the tooth height. The handle bar on the right is used to position the height of the circumferential rods. The feed pawl is set in the center at the front.

EXPANSION MACHINES



Technical data

| | |
|----------------|----------------------------|
| Engine | 0.33 hp |
| Grinding wheel | 200 x 8 x 32 mm |
| Speed | 30 teeth per minute |
| Selective cam | PCP, PV |
| Tooth pitch | from 15 to 45 mm |
| Weight | 152 lbs |
| Plug | 16 Ampere CEE-connector |

SHARK 100





SERRA TENSIONING BENCH & SERRA BLADE ROLLER UNIT

The surface of the large cast wheels are curved with a small radius (crowning) on which the saw blades runs on. This is necessary so that your saw blade does not slide off the wheel towards the rear during high cutting speeds. For this purpose, the saw blade must be tensioned and aligned.

// *At SERRA new saw blades are ready to use on your crowning.*

Depending on the width of the saw blade, it needs to be re-rolled sooner or later. The SERRA crowning is designed so that this is only necessary when the stellite tips are completely worn down if used properly. We would be glad to advise you on whether acquiring a tensioning bench makes sense for you. The significantly cheaper SERRA blade roller unit usually suffices. Without removing the saw blade from the machine, the planarity can get aligned. Please ask us. We would be happy to help you.

SERRA TENSIONING BENCH



SERRA BLADE ROLLER UNIT



Milling independently with us

GENERATORS

Generators make you independent. For fast and exact execution of jobs at any location. Generators ensure permanent and maintenance-free operation of all electric driven components in your sawmill. Exhaust free and noise reduced working.

The models can be set up in some distance.

// *Emission-free and low-noise working*

For many sawyers it is important, that the generator is very light. This usually is achieved with high-speed motors, which are very noisy, have a shorter lifetime and a higher consumption. Our SERRA generators are equipped with diesel engines with various capacities, which are connected with slow running (1.500 rpm.) generators. Each model is covered with a sound protection hood. Customers who have the smallest generator with 44kVA reported that it consumes only 2 - 3 liters diesel per hour.

Dieselgenerator 44 kVA

Technical details

| | |
|-----------------|---------------------|
| Performance | 44 kVA |
| Rev / Min | 1.500 U/min |
| Engine | water cooled diesel |
| Fuse protection | 16 and 32 A CEE |
| Weight | 840 Kg |

Dieselgenerator 65 kVA

Technical details

| | |
|-----------------|---------------------|
| Performance | 65 kVA |
| Rev / Min | 1.500 U/min |
| Engine | water cooled diesel |
| Fuse protection | 16, 32 and 64 A CEE |
| Weight | 1.030 kg |

DIESELGENERATOR





SPECIAL MACHINES FOR FORESTRY

For very sophisticated applications in the forestry, SERRA provides special solutions in high quality, that are practice-oriented and technically on the highest level.

The CutCoach is already used in many countries. Its an important and useful training device for wood workers that have to cut down tensioned trees by chain saw after storms.

The IronHorse and the WheelHorse do not only enable you to move out logs from the forest, especially the IronHorse is a allrounder in many different areas.

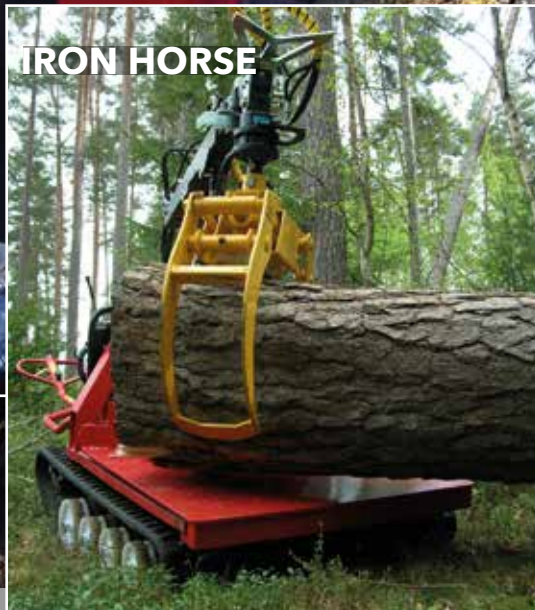
SPECIAL MACHINES



CUTCOACH



IRON HORSE



WHEEL HORSE





CUTCOACH

Caution, danger to life: Forest workers and rescue teams, fire brigades and rescue services are all too familiar with this problem: storm chaos. Fallen trees block the road or are under voltage. The risk of accident is particularly high for all parties involved when tree trunks are quickly and professionally removed.

// *The CutCoach has been a trusted teaching device for fire brigades, trade associations, rescue services and forestry educational institutions for many years.*

Only experienced sawyers who quickly choose the safest cutting pattern can guarantee a smooth process. The proven CutCoach is a modern teaching device that offers the best possible training for real emergency situations.

In contrast to conventional voltage simulators, the „CutCoach“ is equipped with a hydraulic system and enables efficient and user-friendly training on the device.

SPECIAL MACHINES



Technical details

| | |
|-----------------------------------|---|
| Length | 217 inches |
| Tandem axle | Tandem 2,7 t |
| Transport width | 87 inches |
| Height | 106 inches |
| Power connection | 16 A CEE-plug – If requested with petrol engine |
| Weight | 5,500 lbs (Depending on the equipment) |
| Speed (Trailer) max. | 50 mph |
| Hydraulic pump drive | 4.4 hp electric engine |
| Log length min. | 118 inches |
| Log length max. | 26 feet |
| Operating pressure hyd- raulic | 2,900 psi |
| Hydraulic pump power | 15 Liter/min. |
| Log diameter | max. 15.75 inches |

CUTCOACH





IRON HORSE

If you are often engaged with woodwork and maintenance on a rough terrain, the Iron Horse is an indispensable tool. The machine has a wide chain drive, is extremely agile and can be used in almost any terrain. For example you can use it to move logs in forests, where other forwarders can not be used.

// *Perfect allrounder for every purpose*

The Iron Horse can easily be operated by one person and makes work much easier. Depending on its application area, you can choose for different equipment's for your needs. For example, the modern forwarder can have a telescopic crane and a motor cable winch.

Depending on the model, you have power up to 13hp. In forestry, professional garden landscaping or in agriculture, with the flexible allrounder you have decided for a modern working tool. Whether in case of moving wood or special precipitations, therewith you can significantly increase your efficiency in many areas.

Technical data

| | |
|--------------------|---|
| Engine | Honda 4-Takt-Motor |
| Performance | 6,6 kW or 8,7 kW (depending on model) |
| Speed | 7 km/h |
| Power transmission | Variator with centrifugal clutch |
| Fuel tank | 6 Liter |
| Motor winch | 20 m cable length, traction 700 - 1000 kg |
| Length | 170 cm |
| Width | 108 cm |
| Transport height | 160 cm |
| Weight | ca. 420 kg (depending on model) |

Perfect allrounder for every purpose

WHEEL HORSE

Behind the name Wheel Horse hides a terrain-oriented, articulated mini forwarder with unique features. The 6-wheel drive makes the WheelHorse a first-class vehicle for difficult terrain.

// *The Wheel Horse. An indispensable working animal with great potential*

Particularly with narrow passages and sensitive terrain, it shows its strengths and all with an extremely low ground pressure. A reliable 13hp strong petrol engine from Honda grants sufficient strength with a low consumption.

The trailer is equipped with a hydraulic crane. (Optionally with radio control range). The control levers are user-friendly behind the driver's seat and are immediately accessible.

Thanks to the ergonomic seating position and in conjunction with the foldable steering drawbar, flexible driving is possible.

Optional equipment options such as excavator bucket, tilting loading troughs, snow chains, etc. leave hardly anything to be desired.

Technical details - T1750 4WD

| | |
|---------------------------------|--|
| Dimensions (mm) L x W x H | 218" - 240" x 56" x 79" |
| Max. loading capacity | 4,400 lbs |
| Transmission | Variator/gearbox/chain drive |
| Hydraulic gear box | Double pump 1,9/3,8 cm ³ |
| Main engine | Honda 13 hp 4-stroke engine |
| Additional drive (Trailer) | Hydraulic drive |
| Speed max. | 9.3 mph / 3.7 mph (High gear/Low gear) |
| Crane length / lifting capacity | 11.5' / 530 lbs 3.9' / 1,300 lbs hydraulic |
| Support legs | Hydraulically extendable |
| Radio control range (optional) | 82 feet length / traction 1,100 lbs |





MADE IN GERMANY - MADE IN BAVARIA

- Research and development, electrical engineering and production in Rimsting, Germany
- Individual and customer-specific production
- Flexible implementation of special customer requirements
- Own welding, turning and milling center in the company
- Customer service on site
- Highly qualified and motivated employees

PRODUCTION





PROJECT PLANNING

The art of project planning is to logically combine all machinery within a saw mill plant. Roller conveyors and transverse conveyors ensure a continuous flow of material.

In order to rise production an additional resaw is recommended. Circular resaws and band resaws are available. Frequently, multiple band saws and resaws are used in the planning process.

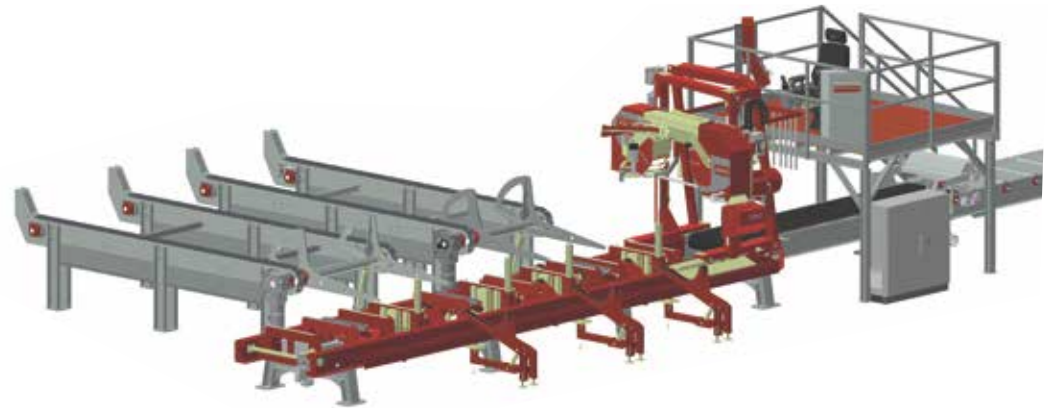
Installations with, e.g. two horizontal band saws, an edger and one multiprip resaw have an output of about 100 cubic meters or more per shift and have many advantages compared to large saw mill plants: no costly foundation is needed, no work stoppage while maintenance, flexible restructuring options, lower financial risk.

PROJECT PLANNING

Standard expansion modules

The following standard modules are available for facilitating the flow of wood on the log band saw: Log feeder with log separation, unloading arms, receivers, board separator, buffering station and roller conveyors.

All this modules are operated by the operator of the saw mill. Unloading arms and receivers are also available for mobile sawmills, with receivers being foldable.



PROJECT PLANNING





**INTELLIGENT SUCCESS IS
SUSTAINABLE SUCCESS.**

**AND CLEARLY A THING
OF FORWARD-THINKERS.**

All of our developments are characterized by a holistically thought-out, sustainable future perspective. For example, our saw production in Arnstadt, Germany which is equipped on 6.800 m² with most modern machines.

65 employees produce around 5 million linear meters of block and band saw blades per year and offer customers a comprehensive full service on band saw blades. The band saw blades are developed and optimized for its exact application which guarantees the best results with maximum quality and economy.

The band saw blades developed and optimized for the exact application guarantee the best results with maximum quality and economic efficiency.



Part of
WINTERSTEIGER
Group

SAW BLADES





SERVICE

Customer satisfaction and first-class service is particularly important at SERRA. We guarantee satisfaction. This is based on a few simple tenets:

- Each sawmill is individually designed with state of the art 3D CAD programs. We guarantee short delivery times while maintaining the same high quality. We offer a fast and reliable supply of spare parts through a global service.
- You can personally try out all sawmills under professional supervision at our demonstration hall. Your saw mill is unique. We manufacture each model according to your individual price and performance requirements. Once the device is fabricated, experienced professionals will personally instruct you on how to use your sawmill.
- You may request our mobile customer service at any time. We offer expert advice through our in-house hot-line. Free tips, suggestions and user experiences are shared in our practical online customer magazine SERRA INSIDE.

SERVICE

Export service

More than 50% of our production gets exported. Safely loaded and packed well in a container your customized machine will reach your home at any destination. World wide.

Calculation

You want to know how your SERRA saw mill gonna pay off?
Have a look at the real figures.

Financing

Don't hesitate to contact us by requiring an offer with 0 % financing over a period of 6 months.



OVERVIEW OF SAWMILLS BY SERRA

All SERRA models comply with the strict safety standards of the EUROPEAN UNION with CEE symbols

| | XE 160 | XE 135 | XT 135 | SL 130i | SL 110i |
|----------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Max. Capacities | | | | | |
| Log length* | 28" - 19.6 feet | 28" - 19.6 feet | 28 - 32 feet | 28" - 52 feet | 28" - 52 feet |
| Log diameter (A) | 64.2" | 52.3" | 52.3" | 41.9" | 51.5" |
| Space above the sawblade (B) | 27" | 19" | 19" | 19" | 19" |
| Space below the sawblade (C) | 54" | 44" | 44" | 44" | 34" |
| Width of cut (D) | 55" | 39" | 39" | 39" | 32" |
| Performance / 8 h** | 15,000 BF | 14,000 BF | 14,000 BF | 14,000 BF | 14,000 BF |
| Main engine | | | | | |
| | 43 hp electric | 30 hp electric | 25 hp electric | 25 hp electric | 25 hp electric |
| | 60 hp electric optional | 43 hp electric optional | 30 hp electric optional | 30 hp electric optional | 30 hp electric optional |
| Sawblades (Millimeter) | | | | | |
| Width | 6" | 4.75" - 5.5" | 4.75" - 5.5" | 4" - 4.75" | 4" - 4.75" |
| Thickness | 0.051" | 0.043" - 0.047" | 0.043" - 0.047" | 0.043" | 0.043" |
| Length | 280" - 300" | 217" - 237" | 217" - 237" | 217" - 237" | 209" - 224" |
| Hydraulic equipment | | | | | |
| Log Handling | hydraulic | hydraulic | hydraulic | hydraulic | hydraulic |
| (loading, turning, clamping ...) | | | | | |
| Sawhead advance | electric/hydraulic | electric/hydraulic | electric/hydraulic | electric/hydraulic | electric/hydraulic |
| Height adjustments | electric | electric | electric | electric | electric |
| Sawblade guidance | hydraulic | hydraulic | hydraulic | hydraulic | hydraulic |
| Precutter | yes | yes | yes | yes | yes |
| Sawdust container | yes | yes | yes | yes | yes |
| Computer | yes | yes | yes | yes | yes |
| Automatic operation | yes | yes | yes | yes | yes |
| Weight*** | | | | | |
| | only stationary | only stationary | up to 8,0 to | up to 3,5 to | up to 3,5 to |

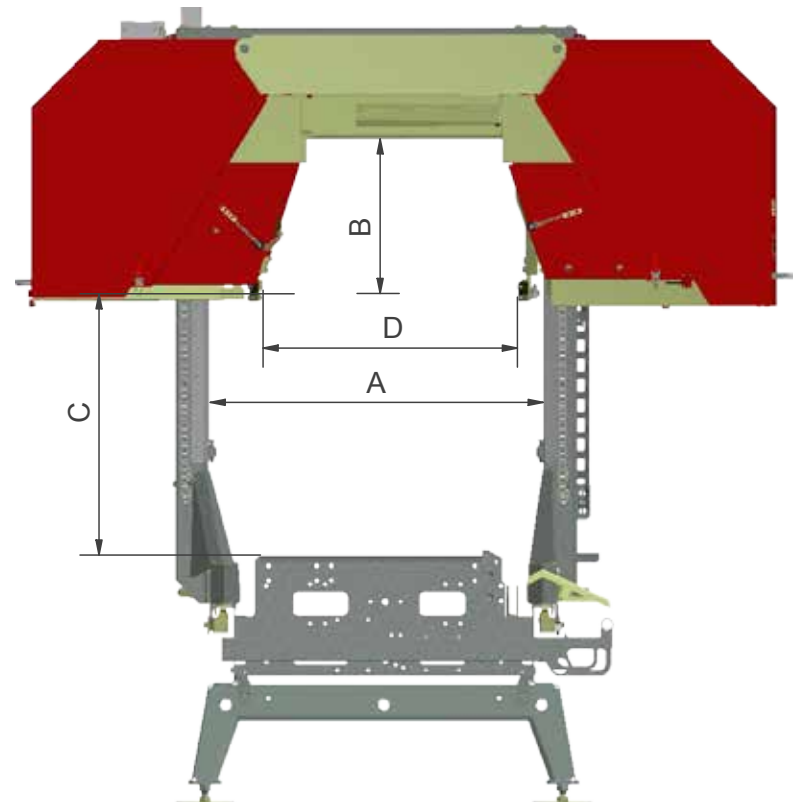
* longer on request ** dependent on diameter of log, board dimensions and number of helper *** dependent on outfitting options

We are constantly working on advancing our development and technological improvements of our product line and to make them available to our customers. For this reason we reserve the right for technical changes as well as prices.

TECHNICAL DATA

OVERVIEW OF SAWMILLS BY SERRA

| ME 110 | KE 90 / KB 90 | FE 50 |
|---|--------------------------------|---------------|
| 28" - 29 feet | 28" - 32 feet | 24" - 141" |
| 41.9" | 34.8" | 21.6" |
| 20" | 16" | 7" |
| 34" | 33" | 18" |
| 32" | 29.5" | 15" |
| 11,800 BF | 7,600 BF | 2,000 BF |
| 25 hp electric 30 hp electric optional | 25 hp electric 35 hp Petrol | 5 hp electric |
| 4" - 4.75" | 3.15" | 1.375" |
| 0.043" | 0.039" | 0.035" |
| 224" | 201" | 122" |
| hydraulic | hydraulic | manual |
| electric/hydraulic | electric/hydraulic | manual |
| electric | electric | manual |
| hydraulic | manual/hydraulic | manual |
| yes | yes | no |
| yes | yes | no |
| yes | yes | no |
| yes | no | no |
| up to 3,5 to | up to 3,5 to | 0,28 to |





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