



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.

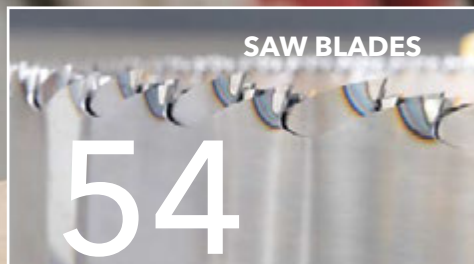
We are proud of our first-class, worldwide personal service. Further machines for Wood completes our product range. The love for wood accompanies us everywhere: We work in wooden buildings, heat with wood and process wood. We are therefore well versed in this valuable raw material and this is the right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

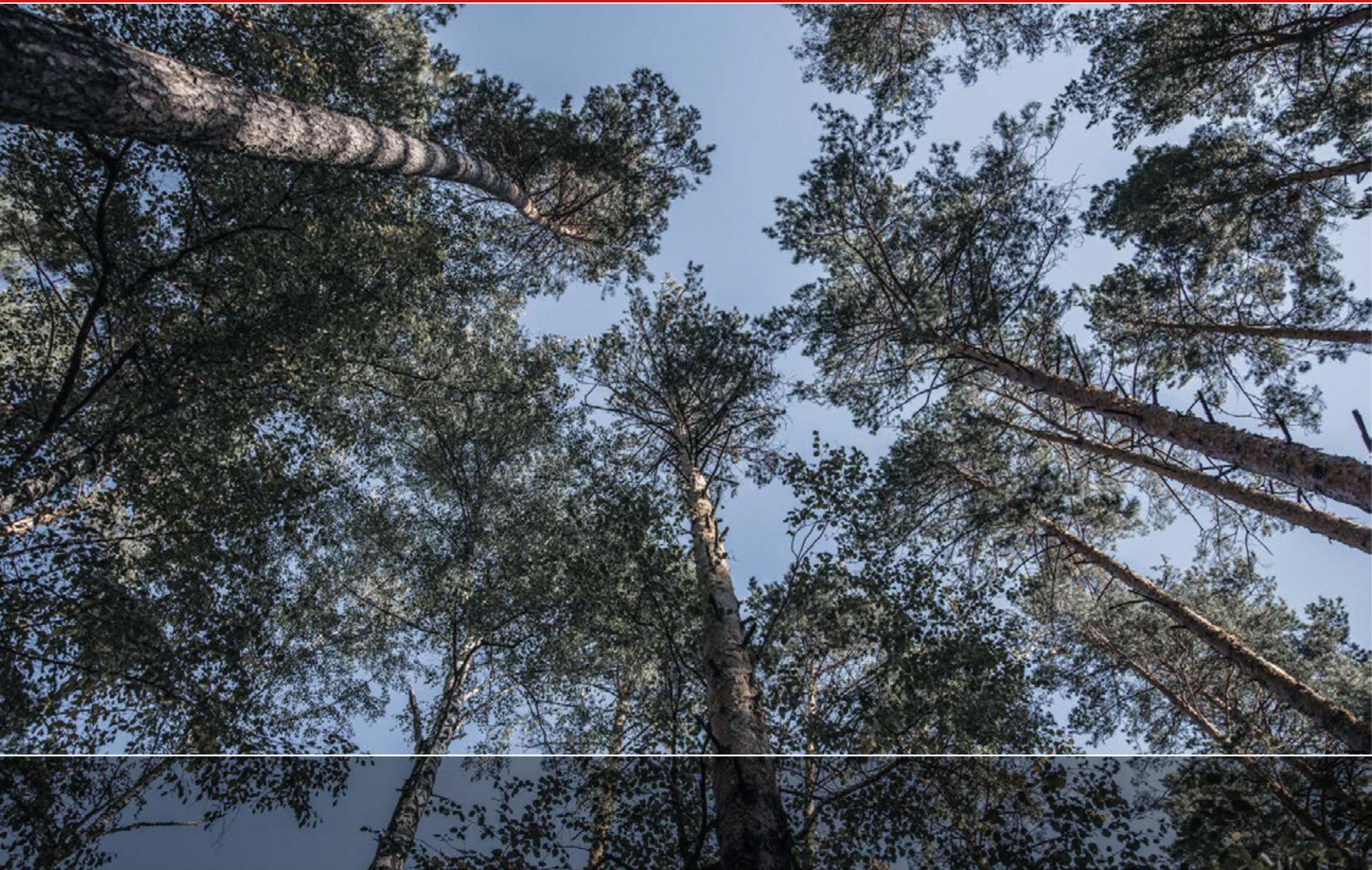
Convince yourself of us.
We look forward to seeing you!

Your SERRA Team



CONTENT





SERVICE & SALES WORLDWIDE



www.serra-sawmills.com/company/distributors



- Industrial – also for very large logs up to 160cm 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 135cm
- 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 90, 110, 135 or even 160 centimetres, 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 135 / 160 cm 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 0,7 m - 6 m	from 0,7 m - 6 m
Log diameter	163 x 207 cm	133 x 160 cm
Space above sawblade	69 cm	50 cm
Space below sawblade	137 cm	111 cm
Width of cut	140 cm	100 cm
Performance / 8 h**	36 fm	33 fm
Main engine	32 kW electric 45 kW electric	18,5 kW electric 22,0 kW electric 32,0 kW electric

Dimension of sawblades

	XE 160	XE 135
Width	150 mm	120 or 140 mm
Thickness	1,3 mm	1,1 mm or 1,2 mm
Length	7.110 to 7.605 mm	5.520 to 6.030 mm

* longer on request

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



XT 135

- For heavy logs with up to 135 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 0,7 m - 10 m*
Log diameter	133 x 160 cm
Space above sawblade	50 cm
Space below sawblade	111 cm
Width of cut	100 cm
Performance / 8 h**	33 fm
Main engine	18,5 kW electric 22 kW electric

Dimension of sawblades

XT 135

Width	120 or 140 mm
Thickness	1,1 or 1,2 mm
Length	5.520 to 6.030 mm

* 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 110 / 130 cm 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



SL 130i / SL 110i



Technical data

	SL 130i	SL 110i
Log length*	0,7 m - 16 m mobile	0,7 m - 16 m mobile
Log diameter	130 x 152 cm	110 x 140 cm
Space above sawblade	50 cm	50 cm
Space below sawblade	110 cm	87 cm
Width of cut	100 cm	82 cm
Performance / 8 h**	33 fm	33 fm
Main engine	18,5 kW electric 22 kW electric	18,5 kW electric 22 kW electric

Dimension of sawblades

	SL 130i	SL 110i
Width	100 or 120 mm	100 or 120 mm
Thickness	1,1 mm	1,1 mm
Length	5.530 to 6.030 mm	5.320 to 5.705 mm

* longer on request

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



ME 110 / MD 110

- For heavy logs with up to 110 cm in diameter
- Two main drives options are available:
Electric or 1,5 liter water-cooled 4-cylinder turbo-diesel engine from Kubota.
- Convincing additional equipment
- Customer-specific frame division through innovative basic frame concept
- High-quality corrosion protection due to hot-dip galvanized base frame

SAWMILLS



ME 110 / MD 110



Technical data

ME 110 / MD 110

Log length*	0,7 m - 12 m mobile
Log diameter	106 x 138 cm
Space above sawblade	51 cm
Space below sawblade	87 cm
Width of cut	82 cm
Performance / 8 h**	28 fm
Main engine	18,5 kW electric 22 kW electric 33 kW (44 PS) Diesel

Dimension of sawblades

Width	100 or 120 mm
Thickness	1,1 mm
Length	5.705 mm

* longer on request

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



KE 90 / KB 90

- For heavy logs with up to 90 cm 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



KE 90 / KB 90



Technical data

Log length*	0,7 to 10 m mobile
Log diameter	88 x 127 cm
Space above sawblade	42 cm
Space below sawblade	85 cm
Width of cut	75 cm
Performance / 8 h**	18 fm
Main engine	18,5 kW electric 26 kW (35 PS) petrol

Dimension of sawblades

Width	80 mm
Thickness	1,0 mm
Length	5.110 mm

* longer on request

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



FE 50

- For logs with up to 55 cm in diameter
- 4 kW power engine with 16 A CEE connector
- 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 2,25 m long extensions
- Low purchase price at high productivity at the same time.

SAWMILLS

FE 50

Technical data

Log length*	from 0,6 m - 3,6 m
Log diameter	55 cm
Space above sawblade	20 cm
Space below sawblade	48 cm
Width of cut	40 cm
Performance / 8 h**	5 cbm
Main engine	4 kW electric

Dimension of sawblades

Width	35 mm
Thickness	0,9 mm
Length	3.115 mm

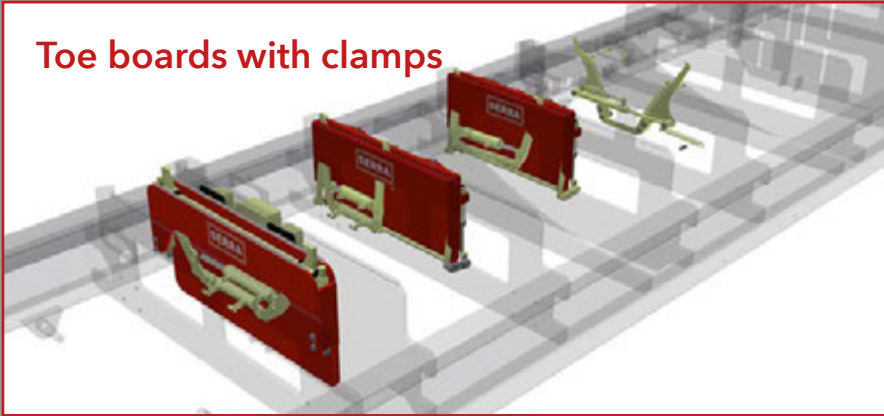
* longer on request

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

FE 50



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.

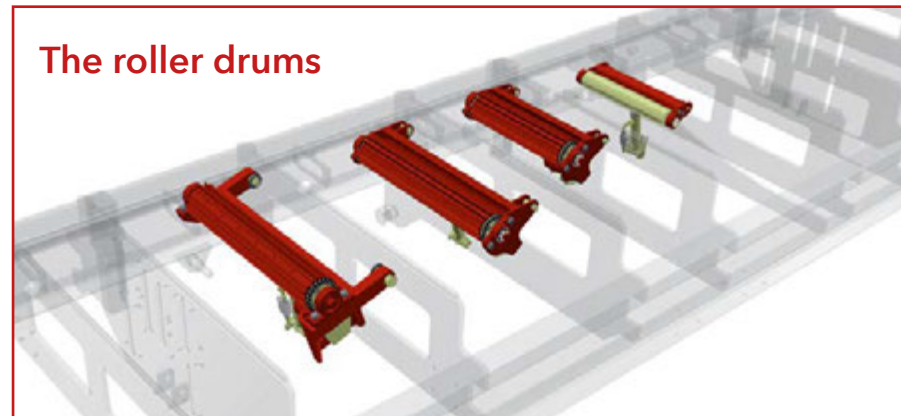
MODULES / EQUIPMENT

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.

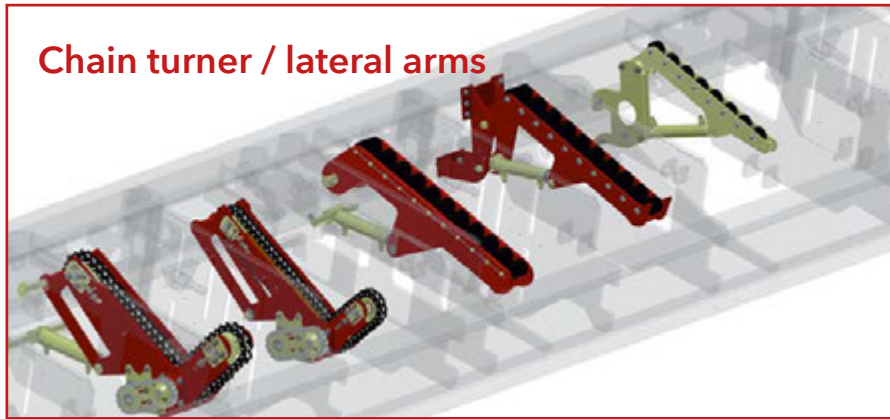
On this double page we will show you a selection of possible hydraulic modules.

The roller drums



The roller drums

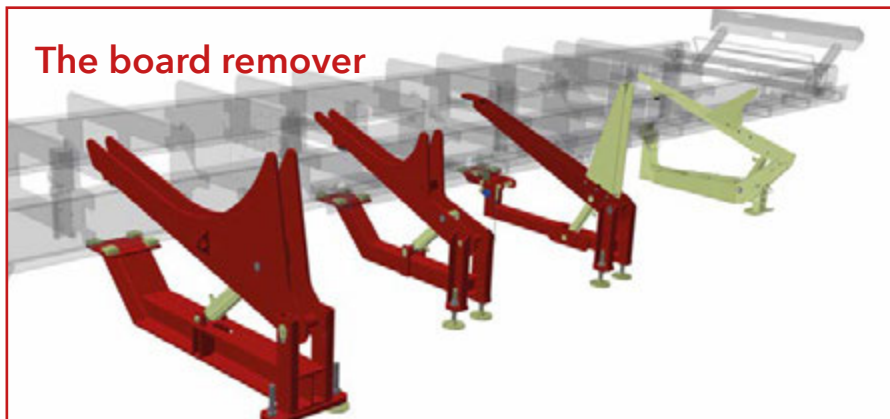
- moves the log back and forward to the right position on the sawing table.
- can move the milled lumber to the end of the mill.
- by using spiral rollers the lumber can be moved laterally
- not powered, lower priced variant possible



Chain turner / lateral arms

Chain turner / lateral arms

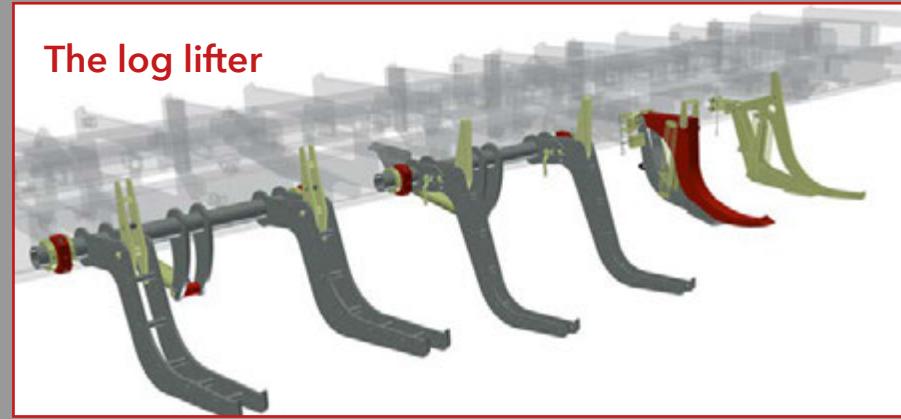
- The chain turner and lateral arms move the milled lumber laterally on to the lateral arms beside the mill.
- Chain turners allow fast turning of small and medium sized logs.



The board remover

The board remover

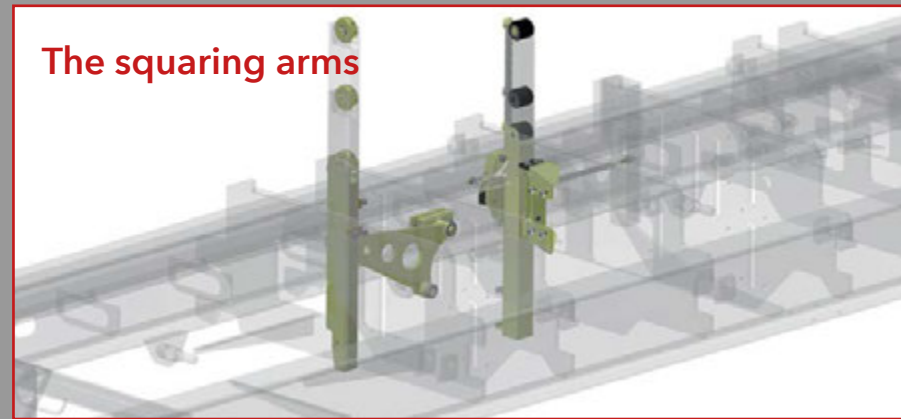
- Receiving the waste and side boards by turning the log with your turning system.
- With the help of chain turners or the lateral arms in the frame the milled lumber gets pushed onto the board remover.
- By lifting up the board removers the cutted wood falls down to the ground or stays on it or gets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



The 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 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.

OPERATORS STANDS



Luxury cabin ProComfort Plus

- spacious, insulated and noise proofed
- height adjustable up to max. 155 cm
- comfort seat can be moved side-ways +/- 50 cm
- 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



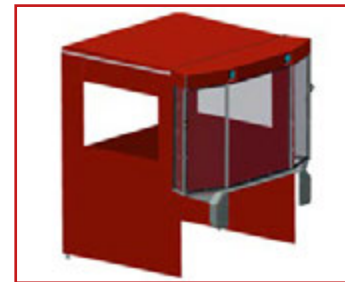
V-Cockpit mobile Maxi

- 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 lighting

- 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 90 kW.

RESAWS

CS 600

CS 600



MK 402



DUETT / QUARTETT





CS 600

High performance multirip resaw with innovative circular saw technology.

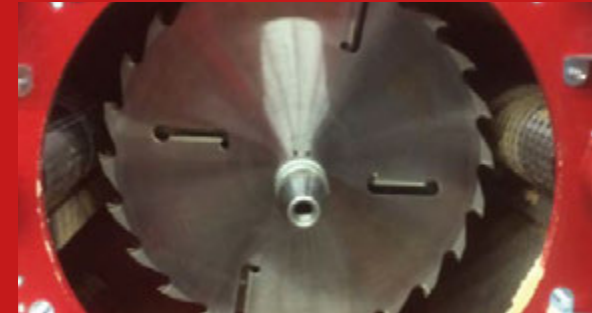
The heavy built design consists of two 15 mm thick lasered and mill-cutted steel plates. Between them, the whole machine is built up. Chain and V-belt drives are mounted externally.

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



CS 600



Technical data

Pass through width max.	600 mm
Pass through height	160 mm
Cutting length min.	880 mm
Saw shaft	hardened, located under the wood, turns against feed direction
6 driven feed rollers	
Diameter of circular saw blades	350 - 500 mm
Main engine	22 - 90 kW
Saw shaft speed	2.400 U/min
Feeding speed (adjustable)	0 - 36 m/min
Working height	850 mm
Width	1.600 mm
Length	3.200 mm
Height	1.600 mm
Weight (max.)	3.300 kg



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



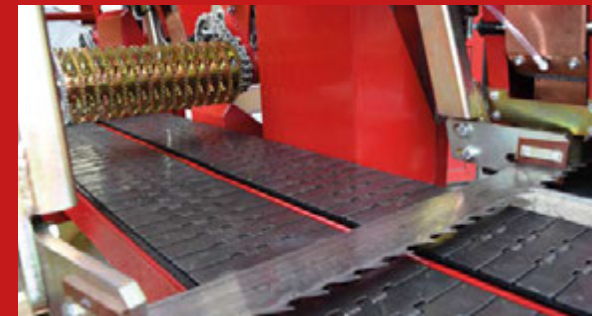
Technical data

Log length	1,2 m to ∞
Width of cut	up to 40 cm
Height of cut	7 to 400 mm
Performance per sawhead	11 kW optional 18,5 kW
Feeding speed	0 - 35 m/min

Dimension of sawblades

Width	80 mm
Thickness	1,0 mm
Length	5.100 mm

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



DUETT / QUARTETT



Technical data

Height of cut	to 50 mm
Width of cut	50 to 430 mm
Pass through width	1.000 mm
Length of deck:	
Infeed	5 m
Outfeed	3,2 m
Length of board	unlimited
Weight	290 kg, mobile 410 kg
Engine	electric (2 x 5 KW, 0,25 KW, 0,025 KW)
Plug	32 Ampere CEE-connector

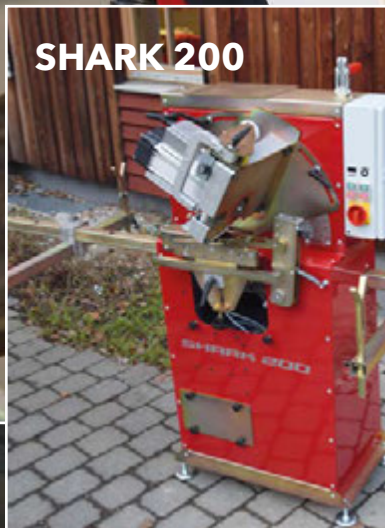


As with all cutting technologies, the sharpness of the tool is of great importance.

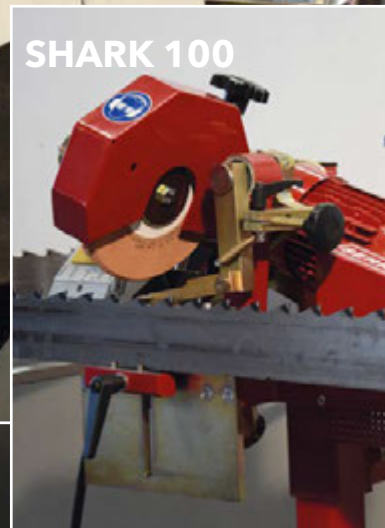
The „Shark“ series of grinding machines offers innovative technology. Tensioning and levelling devices complete the sharpening room.

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



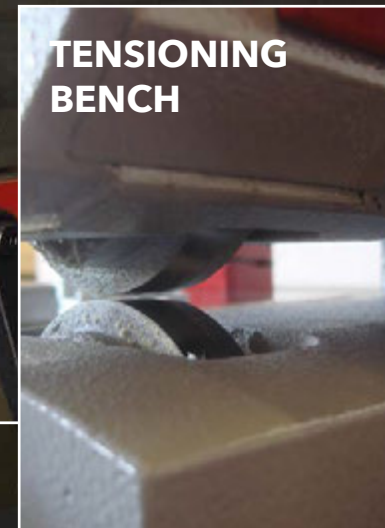
SHARK 200



SHARK 100



GENERATOR



**TENSIONING
BENCH**



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 gear puller 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.

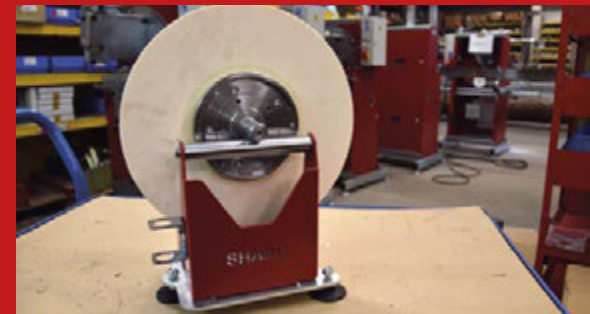
EXPANSION MACHINES



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 69 kg 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	0,25 kW (400 V)
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	69 kg
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.

Dieselerator 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

Dieselerator 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

DIESELGENERATOREN





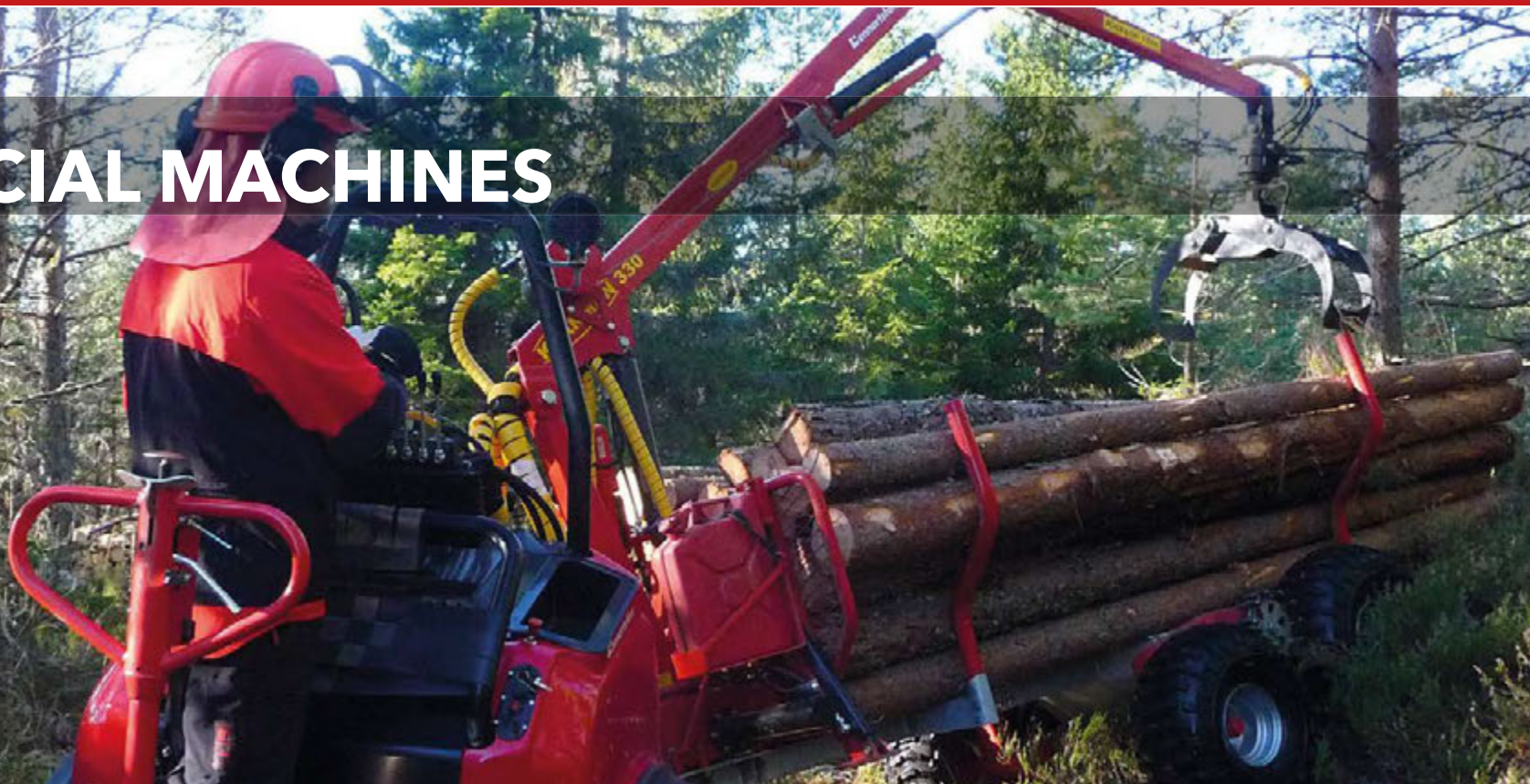
SPECIAL MACHINES FOR FORESTRY

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	5.500 mm
Tandem axle	Tandem 2,7 t
Transport width	2.200 mm
Height	2.700 mm
Power connection	16 A CEE-plug - If requested with petrol engine
Weight	ca. 2.500 kg (Depen- ding on the equipment)
Speed (Trailer) max.	80 km/h
Hydraulic pump drive	3,3 KW electric engine
Log length min.	3 m
Log length max.	8 m
Operating pressure hydraulic	200 Bar
Hydraulic pump power	15 Liter/Min.
Log diameter	max. 40 cm

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	5.530 - 6.110 x 1.420 x 1.990 mm
Max. loading capacity	2.000 kg
Transmission	Variator/gearbox/chain drive
Hydraulic gear box	Double pump 1,9/3,8 cm ³
Main engine	Honda 13 PS 4-Takt-Motor
Additional drive (Trailer)	Hydraulic drive
Speed max.	15/6 km/h (High gear/Low gear)
Crane length / lifting capacity	3,5 m/240 kg 1,2 m/600 kg hydraulic
Support legs	Hydraulically extendable
Radio control range (optional)	25 m length / traction 500 kg

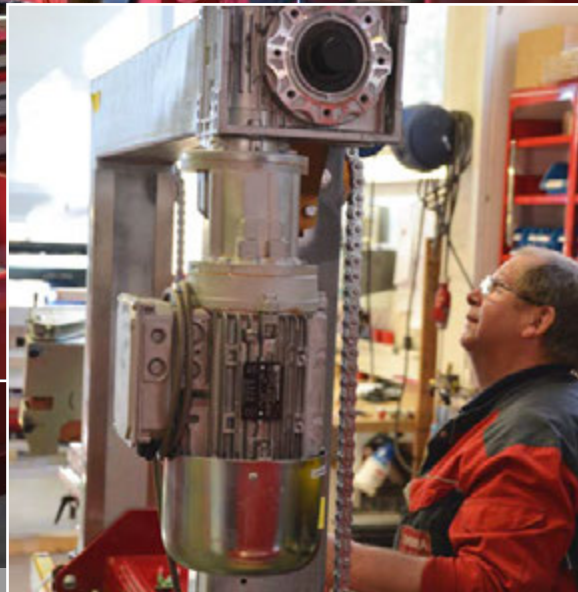




MADE IN GERMANY - MADE IN BAVARIA

- 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.

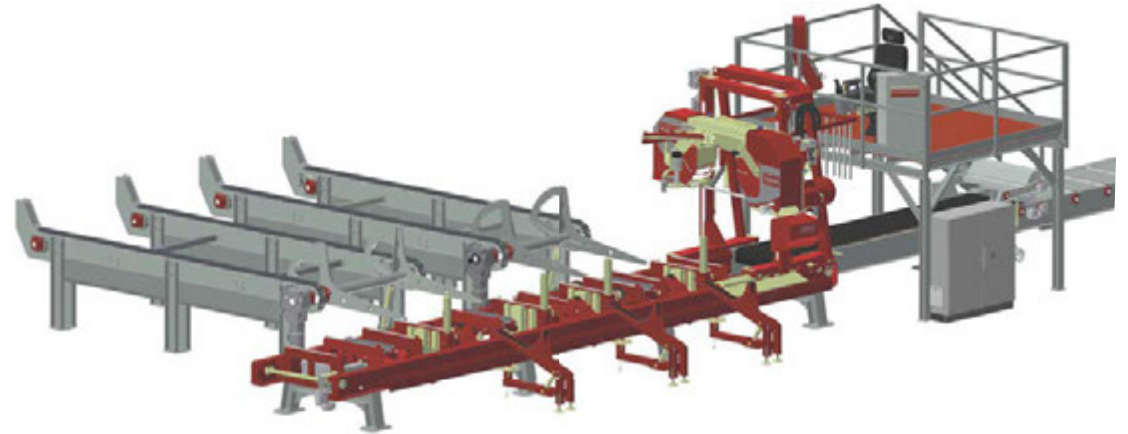
Installations with, e.g. two horizontal band saws, an edger and one multirip resaw have an output of about 100 cubic meters or more per shift and have many advantages compared to large saw mill plants: no costly foundation is needed, no work stoppage while maintenance, flexible restructuring options, 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 saw-mills, 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 6.800m² 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.

SERRA

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
Max. Capacities				
Log length*	up to 6,00 m	up to 6,00 m	up to 6,00 m	7,00 m and 8,70 m
Log diameter	163 cm x 207 cm	133 cm x 160 cm	133 cm x 160 cm	130 cm x 152 cm
Space above the sawblade	69 cm	50 cm	50 cm	50 cm
Space below the sawblade	137,5 cm	111 cm	111 cm	110 cm
Width of cut	140 cm	100 cm	100 cm	100 cm
Performance / 8 h**	36 cbm	33 cbm	33 cbm	33 cbm
Main engine				
	32 kW electric	22 kW electric	22 kW electric	18,5 kW electric
	45 kW electric optional	32 kW electric optional	18,5 kW electric optional	22 kW electric optional
Sawblades (Millimeter)				
Width	150	120 or 140	120 or 140	100 or 120
Thickness	1,3	1,1 or 1,2	1,1 or 1,2	1,1
Length	7.110 to 7.605	5.520 to 6.030	5.520 to 6.030	5.530 to 6.030
Hydraulic equipment				
Log Handling (loading, turning, clamping ...)	hydraulic	hydraulic	hydraulic	hydraulic
Sawhead advance	electric/hydraulic	electric/hydraulic	electric/hydraulic	electric/hydraulic
Height adjustments	electric	electric	electric	electric
Sawblade guidance	hydraulic	hydraulic	hydraulic	hydraulic
Precutter	yes	yes	yes	yes
Sawdust container	yes	yes	yes	yes
Computer	yes	yes	yes	yes
Automatic operation	yes	yes	yes	yes
Weight***				
	only stationary	only stationary	up to 8,0 to	up to 3,5 to

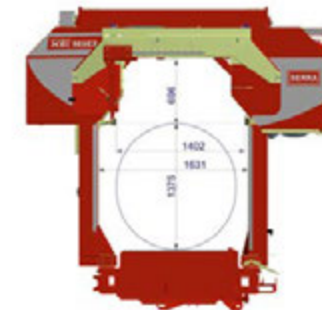
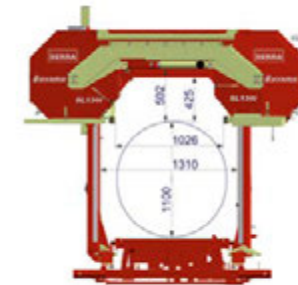
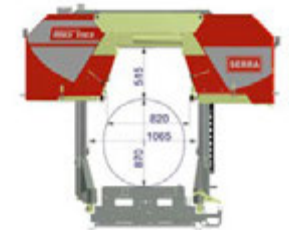
* longer on request ** dependent on diameter of log, board dimensions and number of helper *** dependent on outfitting options

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

SL 110i	ME 110 / MD 110	KE 90 / KB 90	FE 50
7,00 m and 8,70 m	7,00 m and 9,00 m	7 m	up to 3,60 m
110 cm x 140 cm	106 cm x 138 cm	88 cm x 127 cm	Ø 55 cm
50 cm	51,5 cm	42 cm	20 cm
87 cm	87 cm	85 cm	48 cm
82 cm	82 cm	75 cm	40 cm
33 cbm	28 cbm	18 cbm	5 cbm
18,5 kW electric	18,5 kW electric	18,5 kW electric	4 kW electric
22 kW electric optional	22 kW electric optional 33 kW (44 PS) Diesel	26 kW (35 PS) Petrol	
100 or 120	100 or 120	80	35
1,1	1,1	1	0,9
5.320 to 5.705	5.705	5.110	3.115
hydraulic	hydraulic	hydraulic	manual
electric/hydraulic	electric/hydraulic	electric/hydraulic	manual
electric	electric	electric	manual
hydraulic	hydraulic	manual/hydraulic	manual
yes	yes	yes	no
yes	yes	yes	no
yes	yes	yes	no
yes	yes	no	no
up to 3,5 to	up to 3,5 to	up to 3,5 to	0,28 to



The SERRA logo consists of the word "SERRA" in a bold, white, sans-serif font, centered within a red rectangular box with a thin white border.

Part of
WINTERSTEIGER
Group

SERRA Maschinenbau GmbH
Bahnhofstraße 83
D-83253 Rimsting

Tel +49(0)8051-96400-0
Fax +49(0)8051-96400-50

info@serra.de
www.serra-sawmills.com

Modifications and errors reserved