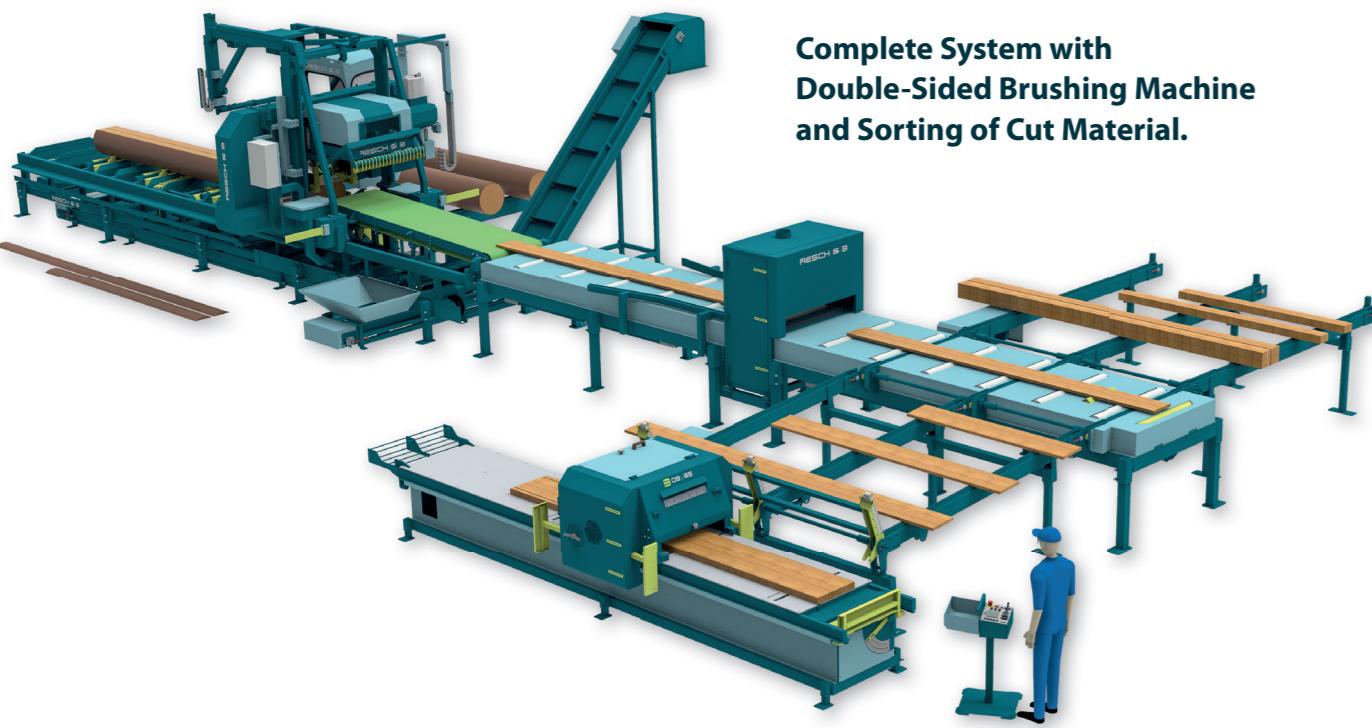


With the gripper carriage, the cut material is automatically placed into the selected box.



Complete System with Double-Sided Brushing Machine and Sorting of Cut Material.

## BANDSAW PROFI

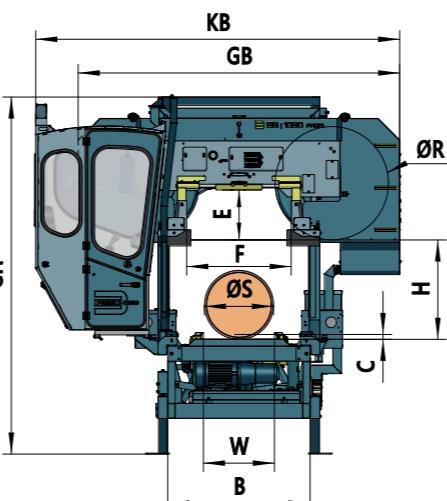
### Our advantages

- We manufacture the bandsaw according to your specifications.
- For log infeed, plank outfeed and sorting of the sawn timber we provide individual solutions.
- As a full-range supplier, we also produce automatic sharpeners, single blade and double edgers, sawmills with automatic operation and resaws for glulam industries.
- Advice, planning, production, assembly and service from one source.
- Experience since 1955.

### Description type name:

E	S	1050	PROFI	
Motorization				
E = Electric motor	S = Stationary	1050	PROFI	Model
D = Diesel engine	M = Mobile	1200	COMPACT	1400

Type	1050	1050-L	1200	1200-L	1400		
ØS max. log diameter	1,100	1,250	1,500	1,500	1,800	mm	
F max. opening sawblade guide	970	1,120	1,170	1,300	1,380	mm	
H max. stroke saw head		900		1,000		mm	
E Space above the sawblade		460		530		mm	
B Guideway width	1,320	1,500	1,500	1,700	1,700	mm	
W max. opening clamps	660	820	810	970	970	mm	
C min. cutting height		24		24		mm	
ØR Wheel diameter	1,050			1,200		mm	
Sawblade length	6,800	7,100	7,800	8,100	9,500	mm	
Sawblade width		120		150		mm	
Sawblade thickness		1.2		1.3		mm	
Feed rate	0 - 50		0 - 45		0 - 40	m/min	
Power sawblade	Electric motor	30 - 45		45 - 75	75 - 132	kW	
	Diesel engine	55		90	/	kW	
Cutting length			depending on customer requirements			m	
GB Total width		3,000		3,400		3,900	mm
KB Total width with cab		3,400		3,700		4,150	mm
GH Total height		3,300		3,600		4,200	mm
Total weight depending on cutting length		min. 6,000		min. 8,000		min. 12,000	kg



RESCH 63 GMBH

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# PROFI



RESCH 63 THE MACHINE COMPANY SINCE 1955

Discover the Profi-version of our machine – advanced technology, automated processes, and practical extras ensure precision, functionality, and elegance. For those who value performance, comfort, and reliability, our premium product leaves nothing to be desired!

**Cab:** The moving cabin provides comfortable, dust-free work in a low-noise environment. Operation is carried out by a screen and two joysticks, while direct visibility of the cut material enables continuous quality control. To have a good view behind the saw head, a rearview camera with its own monitor is used. As an alternative to the moving cabin, a fixed-to-the-ground control panel can also be installed. Optional with air conditioning.

**Sawblade replacement:** The protective covers are hydraulically opened when changing the saw blade. The saw blade can be easily removed and replaced. The band saw is ready for use again in no time.

**Pressure guides:** The hydraulic pressure guides provide additional stability to the saw blade and ensure precise cutting, even at higher feed rates. Both guides can be positioned individually, manually or automatically, as close as possible to the log.

The cutting accuracy is constantly monitored, and if the desired tolerance is exceeded, the feed rate is automatically reduced.

**Precutter:** The double-sided pre-cutters ensure a clean entry and exit for the saw blade, which significantly increases the lifespan of the saw blade. Both pre-cutters can be controlled individually.

**Crosscutter:** The cross cutter automatically trims the boards to the desired length during cutting or cuts long timber into multiple boards. The crosscut saw can optionally be rotated 90° and used as a longitudinal cutter. An integrated laser shows the cutting line.

**Height positioning:** Two hydraulic cylinders move the saw head up and down quickly and with great precision.

**Feed:** The sawhead is directly driven on both sides by two electric motors. The optimum rate of feed is continuously adjustable.

**Sawdust box:** The sawdust is collected in its own container and is automatically emptied when it reaches the end position. Alternatively, it is also available with a suction device.

**Plank remover:** When reversing, the plank remover automatically positions itself at the cutting height and pushes the slab or each individual board to the side.



**Plank gripper:** Especially useful for long timber, when the cross cutter trims the long planks to the desired lengths multiple times. During the return, the plank gripper stacks the individual planks on top of the first plank and places them all together to the side.

**Log measurement:** Highly recommended for contract cutting. During the first cut, the log is measured and saved according to the customer and type of wood. The log measurement also allows cross-measuring or automatic alignment of the log.

**Log loader with log securing:** The hydraulic log loader lifts the log onto the guideway, allowing the timber refinement process to begin.

**Turning chains:** The turning chains rotate logs of various sizes and shapes, as well as squared timber, quickly and gently into the desired position. They are also used to eject the cut material to the side.

**Longitudinal rollers:** The longitudinal rollers move the log back and forth for optimal use of the clamping tongs, ensuring the log is securely fixed.

**Clamping tongs:** The individually height-adjustable clamping tongs allow precise horizontal alignment of the log and securely fix it in place. Thanks to integrated height monitoring, the tongs automatically position themselves at the required minimum height during the final cut without cutting into the tongs.

Curved beams can be carefully pulled down onto the log support using the tongs.

**Squaring:** For squared timber, slats, and parallel stock, the cut material is positioned at a 90° angle. Thanks to the tongs' fine adjustment function, the angle can be precisely corrected as necessary.

**Outfeed rollers:** The outfeed rollers transport the cut material lengthwise, either forward or back, over the conveyor for further mechanization.

**Cross Chains:** With additional cross chains in the guideway, the cut material can be sorted to the right or left side.



**Log infeed:** The hydraulic log infeed conveyor transports the wood to the log loader. Several logs can be loaded onto the conveyor at the same time.

**Plank outfeed:** The plank outfeed chains transport the cut material on working height to the edger. They can be controlled either from the cabin or directly at the rip saw.

**Scraper:** The scraper conveyor transports the wood chips along the floor and then transfers them to the cross conveyor. The cross scraper moves the wood chips and sawdust upward into the container.

**Sorting of Cut Material to the Rear:** The back-pusher transports the cut material to the rear. At the same time, a hold-down device ensures that the board does not slip sideways off the log. Afterward, a conveyor belt, which automatically adjusts to the cutting height, takes over and moves the wood further onto the roller conveyor.

**Gripper carriage:** Even more flexibility is provided by the gripper carriage, which allows to pick up each individual board or an entire stack of boards and gently place them in the selected box at the front.

**Mobile:** For mobile use, the various models can be equipped with a chassis and optionally with a diesel engine.

