



SEGATRONCHI

CTR 1300 H



Max. log diameter	1300 mm
Max. opening between blade guides	1000 mm
Max. elevation of blade	1080 mm
Min. log height	30 mm
Max. depth of cut	365 mm
Max. log length (standard model)	6,6 m
Length track section	4 m
Min. log length	2,4 m
Saw blade motor	22 (30) kW
Horizontal feed motor	3 kW
Vertical feed motor	0,75 kW
Hydraulic motor	7,5 kW
Hydraulic oil	ISO 6743/4-HM, DIN 51 524 part 2-HLP
Sawblade	6500 x 50 – 60 x 1,0 – 1,3 mm
Weight (standard model)	3600 kg
Weight (track section)	670 kg



Feed into the cut and back – motor-powered

Arm height adjustment – motor-powered

Control panel – stationary

Log handling – hydraulic

Extremely large and robust running sections fitted with massive hydraulic equipment allow handling very heavy logs of a diameter of up to 1.3 m, including the heaviest exotic tree species. Massive saw band arm is fitted with large running wheels of a diameter of 720 mm, which allows you to use saw band up to 65 mm wide. Exceptionally robust construction of the machine and high-performance hydraulic equipment allow operation even under the most difficult operating conditions including non-stop operation. Hydraulic accessories easily handle even very large logs, significantly increase the productivity of the machine and save labour costs.

The basic version is fitted with following hydraulic accessories:

Electrically controlled bar – 1x

Log Clamp – 2x

Retractable angle – 3x

Retractable Log Turner – 1x

Log Taper Adjuster – 1x

Log Taper Adjuster with Feed – 1x

Thanks to the unique modular design of CTR series the machine is fitted with many fitting points for hydraulic equipment. That allows large variability of its placement with regard to the total cutting length and specifics of the processed material. Exceptionally massive running bridge of the saw band arm and running sections ensure undisturbed operation when cutting and even at high running speeds.

Professional execution of all main technical units, such as running wheels with their bearing system, saw band arm construction, powering and feeding system, etc. ensure maximum service life and machine accuracy even under the most difficult operating conditions. Continuously adjustable machine feed into the cut and back and saw band arm height adjustment. Travel speed is displayed on the digital display. The central control panel is stationary and it's placed on the main running section. This allows convenient machine control from a single place with complete hydraulic accessories.

The feed into the cut and back is driven by an electric motor with worm gearbox controlled by a frequency converter.

Bilaterally synchronously powered and guided saw band arm bridge on running sections ensures maximum stability when cutting. You can change the speed of travel simply by turning the potentiometer on the control panel. The end stops provide automatic deceleration and stopping in end positions.

The massive saw band arm is borne on adjustable hard-chromium rods (for moving up and down) which ensure absolute accuracy of saw band arm movement and virtually unlimited service life, if the machine is lubricated regularly. The vertical movement of the arm is provided by double-sided synchronous chain transmission powered by an electric motor with worm gearbox. The movement controlled from the central panel has two modes of speed – rapid feed and slow feed for accurate movement to a desired position. This system can be always additionally equipped with electronic metering which automatically moves to the specified position.

The arm is fitted with large running wheels made of high-quality grey cast iron with accurate balancing against vibrations. The wheel has a groove along its circumference. The groove holds a replaceable rubber-textile belt which creates an optimum contact area between the wheel and the saw band.

The sturdily mounted running wheel is powered through a wedge belt by a professional electrical motor specially

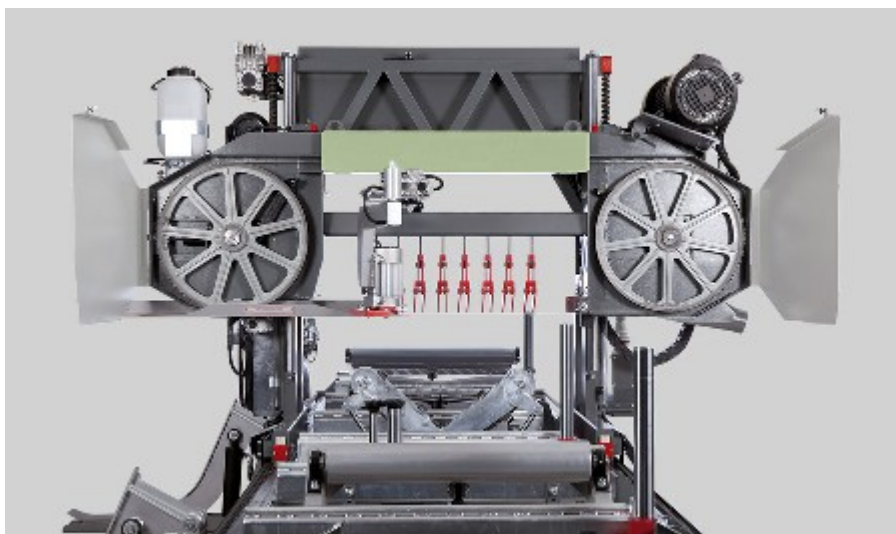
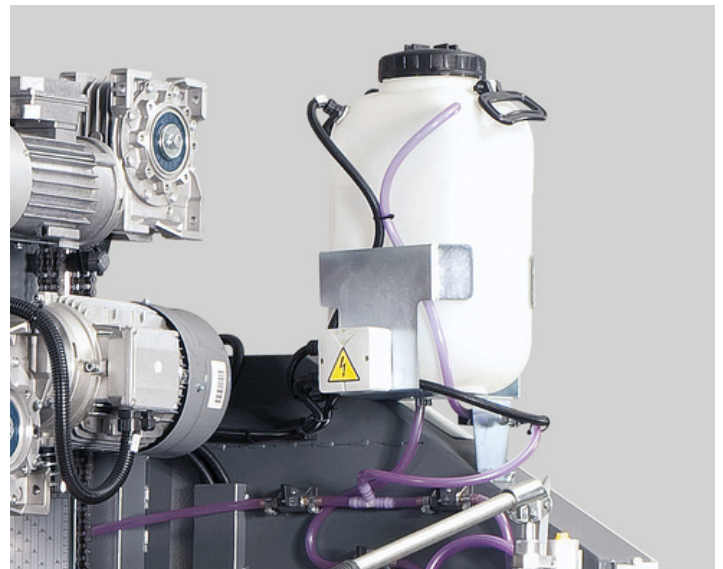
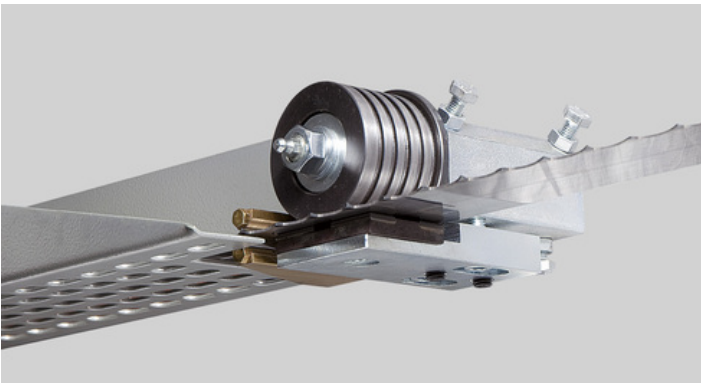
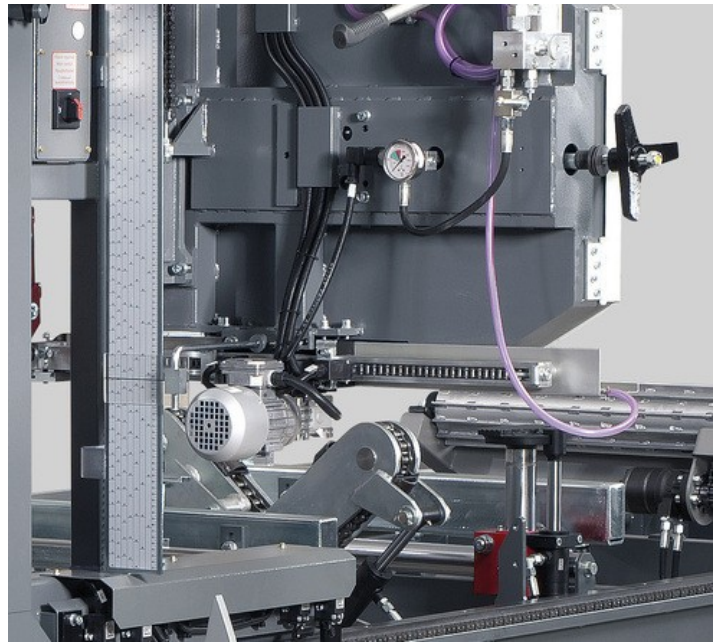
balanced against vibrations. The machine is equipped with a powerful soft-starter that ensures smooth start-up of the main engine and reduction of impacts in the electric network.

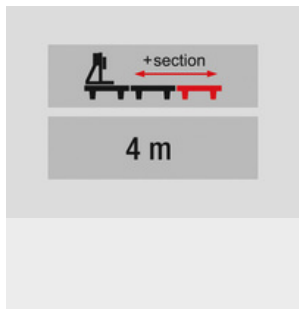
The tensioning wheel system moves along a sturdy cast iron wedge guide with adjustable pressure bar, which allows highly accurate adjustment without any free travel even in long-term machine operation. For easier and optimum tension of the saw band the machine is equipped with hydraulic tensioning system.

Exceptionally stable running sections with double-sided adjustable steel arm bridge guides form the basis of the machine. They are sufficiently dimensioned for maximum diameters of logs as well. They were designed reflecting the practice, therefore designed to cope with very hard operating conditions. Double-sided bridge guidance on the running section in combination with a high-performance engine ensure smooth and fast withdrawal of heavy workpieces when using workpiece feeder. Cut length is virtually unlimited in all types of machines, it only depends on the length of running gear installed. Running gear sections are fitted with massive, height-adjustable log-bearing surfaces.

CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs. The machines are designed in an original modular execution which allows easy replacement or adjustment of all main technical sections and their individual parts. This in the long-term perspective reduces the maintenance costs and service times and therefore production stoppages as well.

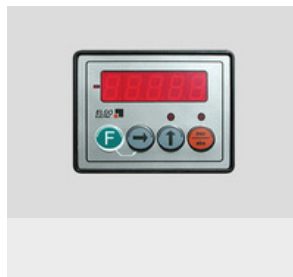
PHOTOGALLERY





Track section

4 meter – contain in basic: 2x angle arm
 Extending section is equipped with many points for installation of hydraulic equipment. That provides variability of placement with aspect of cutting material.



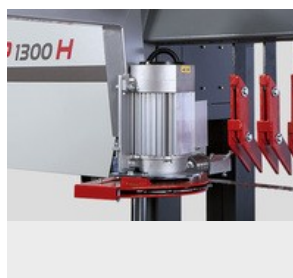
LG 100

It is intended for a quick and accurate setting of required board thickness. The movement of the band saw arm up and down is displayed with an accuracy of 0.1 mm on a colour display. The absolute height from the band saw bed or, after reset, the set board thickness including the optional kerf thickness is displayed.



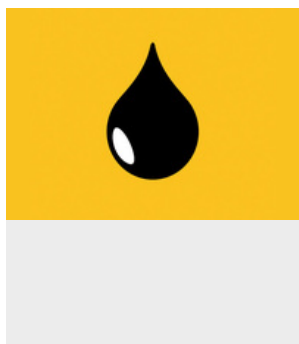
LG Automat

Digital measuring system for fast and accurate automatic setting of the desired thickness of the cut. After the specification of basic settings (height from the loading area and cut-through) and of the desired value (cut thickness), the arm with a saw band will automatically move to the required position. That prevents human-induced failures that can arise during manual cut settings. Saves time, refines production.



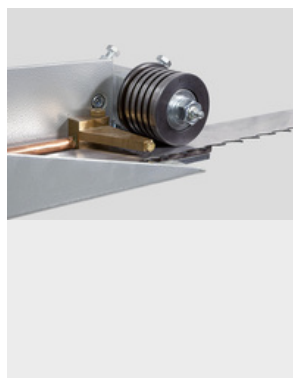
Pre-cutter

The pre-cutter circular with hard metal tips is designed to remove dirt at points where the saw blade cuts into the log. The saw blade do not get blunt quickly. Frequent saw blade exchanges are reduced, the saw blade life, and the productivity of the machine increase.



Saw band cooling control

Integrated in the cooling system is an electromagnetic through-flow valve, which automatically opens when the saw blade is started and closes when the saw blade is stopped. It substantially lowers the coolant consumption and saves time needed for replenishment of coolant liquid.



Pressure two-sided saw band cooling

The cooling system consists of a pressure pump in the coolant tank, flow control solenoid valve and two-way jets that spray the saw band both from below and from above. Two-side cooling prevents undesirable stress in the saw band and adhesion of resin from underneath the saw band and thus helps maintain stabler saw band operation, more accurate cut and longer service life.



ARCTIC version

Version of the machine adapted for work in extremely cold operating temperatures reaching down to -40 °C. Machine's switch board, control panel and digital measuring (LG 100, LG Automat) are fitted with heating elements. The heating is controlled through a thermostat. Frost-resistant lubricant. Band saws CTR 800 H, 950 H, 1000 H and 1300 H use frost-resistant hydraulic oil.



Lever for log loading

Serves as help with manipulation with logs on machine frame.



Hand Operated Grease Gun
For regular maintenance of the machine according to the lubrication plan. Metal grease gun for 400g cartridges. Equipped with a flexible pressure tube.



Grease LV 2-3
400g cartridge for the grease gun.

ACCESSORIES – CONSUMABLE PARTS



Saw Band Guide Pulley VK 60
Hardened ground pulley, bearings, shaft for a saw band 60 mm wide.

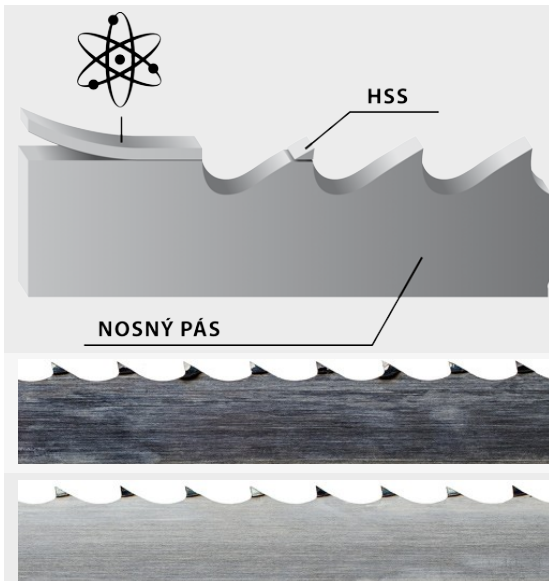


Flat Running Wheel Belt GPK 2255

BAND SAWS

MAXwood

- The original saw blades PILOUS MAXwood are available in a variety of types which enables you to process any kind of wood.
- The wide product range not only offers more affordable saw blades for low-volume cutting, but includes also saw blades for fully professional cutting and utmost performance.
- The foundation of all saw blades are top-quality German materials and precise workmanship. The quality of the saw blades is carefully monitored. All saw blades correspond to the strict ISO 9001 norm.
- We have added to our portfolio also an original Munkfors saw blade made by the world's leading manufacturer Uddeholm from Sweden.
- Pilous saw blades are used in dozens of countries around the world. Any wood you cut, the company Pilous will recommend you a saw blade that will fit your needs.



BiMetal

Saw blade with tool steel teeth - completely eliminates the need to sharpen the saw blade as well as frequent blade replacement. Use: soft, hard to extremely hard wood.

HSS

Bearing blade

Stellite

Saw blade with teeth made of Stellite. Tooth setting is completely unnecessary. Use: soft, hard to extremely hard wood.

Carbon spring steel

The most common saw blade for optimum price/performance ratio. Use: soft and hard wood.



Be careful when unpacking welded saw blades. They are in a shipping container in tensioned condition. Remove the saw blade cover only after fitting it onto the machine.