OFFER LIST

Pilous
Železná 9, 619 00 Brno, Czech Republic
Tel.: +420 543 25 20 10
*e-mail: **wood@pilous.cz**, **www.pilous.cz***

CTR 800 H

Max. (mm)

830 | 750 | 690 x 675

4920 x 35-40 x 0,9-1,1 mm

Max. log diameter	830 mm
Max. opening betwen blade guides	750 mm
Min. blade height from support beam	685 mm
Min. log height	30 mm
Max. depth of cut	450 mm
Max. log length (standard model)	4,5 m
Length track section	3 m
Min. log length	1,2 m
Saw blade motor	7,5 (11) kW
Horizontal feed motor	1,5 kW
Vertical feed motor	0,55 kW
Hydraulic motor	5,5 kW
Hydraulic oil	ISO 6743/4-HM, DIN 51 524 part 2-HLP
Sawblade	4920 x 35 ÷ 40 x 0,9 ÷ 1,1 mm
Weight (standard model)	1500 kg
Weight (track section)	250 kg

Nomimal current of circuit breaker is minimally 32 / 40 Ampere

DESCRIPTION

Feed to the cut and back – motor-powered
Arm height adjustment – motor-powered
Control panel – stationary
Log handling – hydraulic

Innovative version of the extremely succesful model CTR 800 that has been on market for 15 years now.

The key change lies in the increase of the impeller diameter from the original 500 mm to 600 mm. This allows you now to use 1.3 mm thick saw blades in contrast to the formerly used 0.9 – 1,1 mm blades. Using a 1.3 mm thick saw blade is the newest trend in band saws with narrow blades. The risk of blade rippling in the cut even at high speeds is substantially reduced. Thus, the machine productivity and the cutting accuracy are considerably increased.

Apart from the new machine design, there are many technological adjustments that improve user comfort as well as the quality and durability of the machine.

The design of the arm (now 40 kg heavier) and the sliding hard chromium rods has been reinforced. Due to heavier weight, the motor is now equipped with a brake, as in machines of the highest category. It significantly increases the accuracy of stopping at the desired point and contributes to the service life of the whole uplift system.

The sliding speed backwards in CTR 800 H has been increased as well, which means you can now use as hydraulic accessories the log taper adjuster with a rotary and a powered cylinder. To increase the machine productivity, you can now also install the feeder of the cut material together with the chute, or the belt conveyor XRB 800 which has been for space saving purposes partially integrated into the basic machine frame. The belt conveyor enables connecting of the machine to a complete line for the processing of XR logs.

Universal log band saw with hydraulic accessories. With maximum cutting diameter of 83 cm the saw is suitable for most lumber. Its construction is based on the popular model CTR 800 S, which is established on an

elevated sliding frame with complete hydraulic accessories. The hydraulic accessories easily handle the workpiece, significantly increases the productivity of the machine and saves labour costs.

The basic version is fitted with following hydraulic accessories:

• Hydraulic log clamp – 2x
• Tilting angle – 3x
• Retractable log turner – 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. A wide, massive running bridge of the band saw arm and robust running sections with double-sided steel guidance 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 to the cut and back and band saw 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 to the cut and back is driven by an electric motor with worm gearbox controlled by a frequency converter. 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 band saw arm is borne on adjustable hard-chromium rods (for moving up and down) which ensure absolute accuracy of band saw 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 blade 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 blade.

The sturdily mounted blade wheel is powered through a wedge belt by a professional electrical motor specially balanced against vibrations. 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.

The saw blade is guided in the cut by hardened and ground guide pulleys. This system can be fully adjusted in all directions and it ensures optimum position of guide pulleys and the saw band.

On the moving bar additionally in combination with the hardmetal blade guiding.

In order to ensure accuracy of the cut the guide pulley on the operator’s side moves as close as possible to the workpiece. Simply operated massive bearing system. It can be motor-powered and controlled as an auxiliary device from the control panel.

Gravity cooling and lubricating of the band with adjustable outlets in both guide pulleys ensure that the saw band is in optimum condition during cutting.

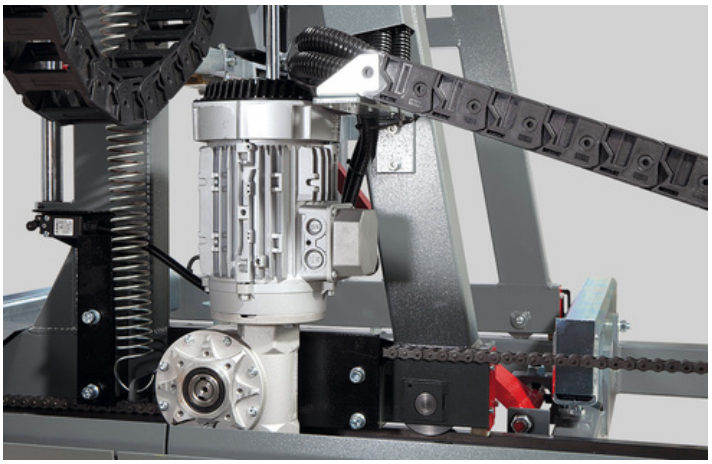
Stable running sections with steel arm bridge guides form the basis of the machine. They are sufficiently dimensioned for maximum diameters of logs as well. They were designed reflecting the practice, therefore designed to cope with very hard operating conditions. Cut length is virtually unlimited in all types of machines, it only depends on the length of running gear installed.

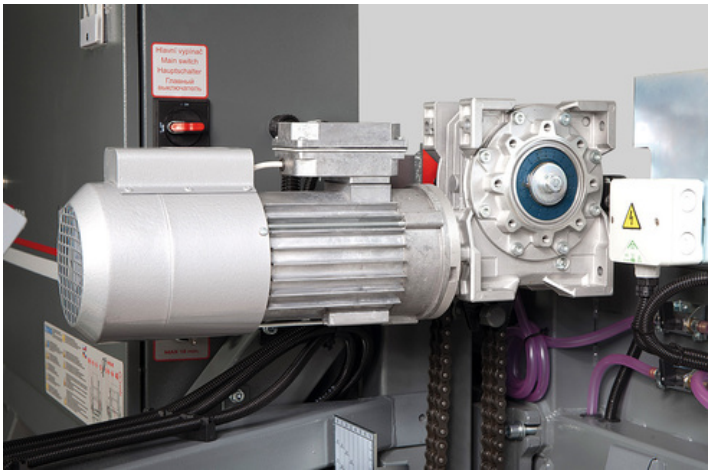
CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs.

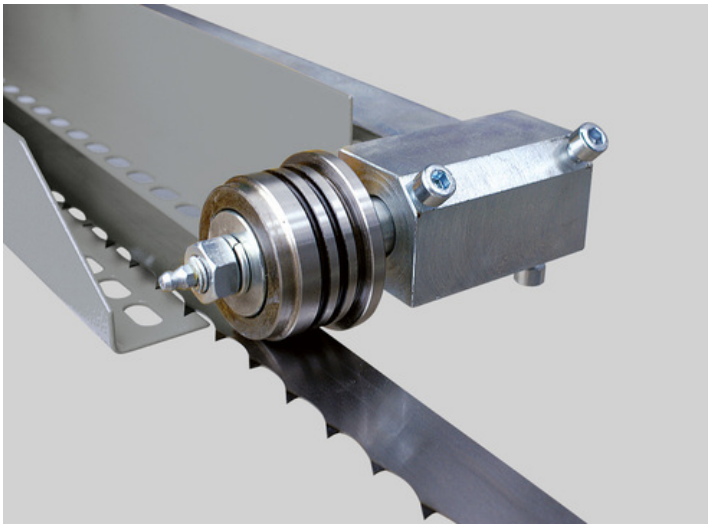
The machines are designed in an original modular execution which allows easy replacement or adjustment of all main technical sections and their individual parts. This in the long-term perspective reduces the maintenance costs and service times and therefore production stoppages as well.

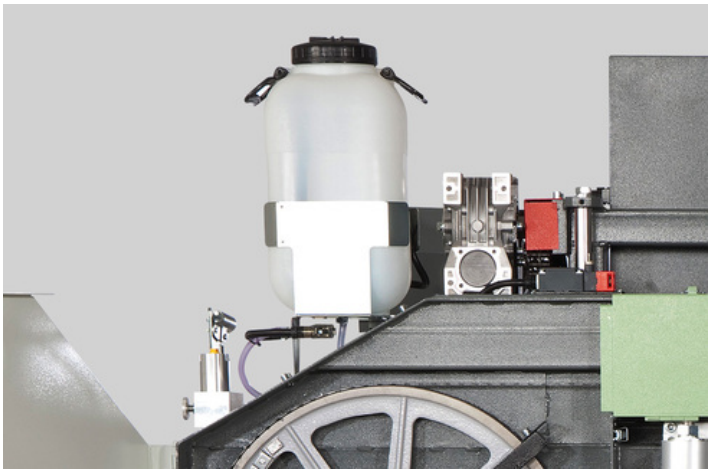
Accessories – there is a wide range of accessories to all of these machines; they simplify and accelerate machine operation and influence its production. Our original modular system allows additional installation of necessary equipment at any time, because all basic versions of machines include all fitting spots including holes and threads.

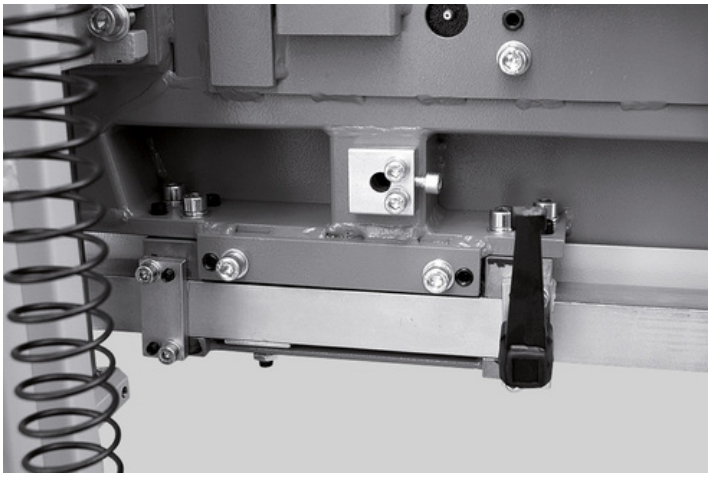
PHOTOGALLERY

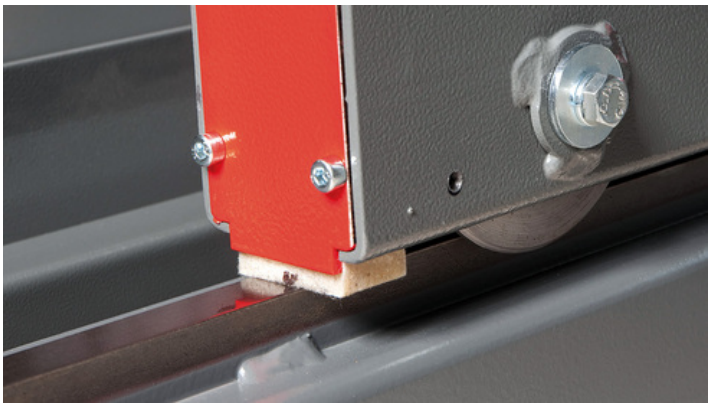


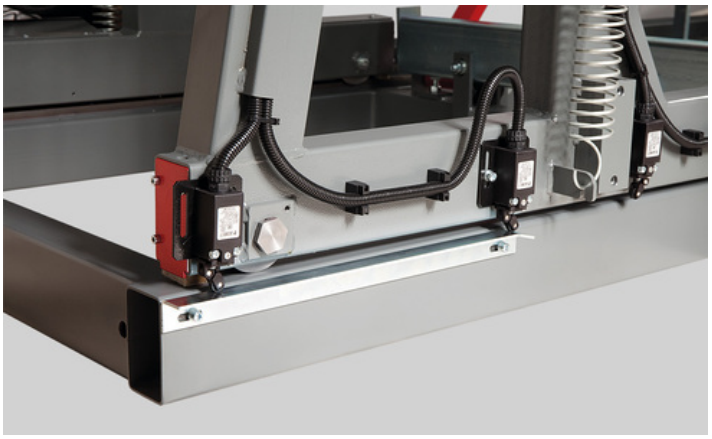










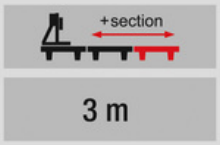


ACCESSORIES

ACCESSORIES – SPECIAL ACCESSORIES

Main motor 11 kW

Main motor 11 kW
Stronger output of motor provides faster cut, mainly with huge diameters of logs.



Track section 3 m

Track section
3 meter – contain in basic: 1x squaring arm
Extending section is equiped with many points for instalation of hydraulic equipment. That provides variability of placement with aspect of cutting material.

LG 100

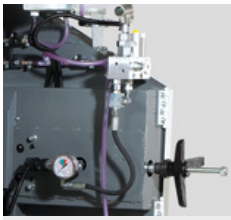
LG 100
It is intended for a quick and accurate setting of required board thickness. The movement of the band saw arm up and down is displayed with an accuracy of 0.1 mm on a colour display. The absolute height from the band saw bed or, after reset, the set board thickness including the optional kerf thickness is displayed.

LG Automat

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 / 800

Precutter
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.



Hydraulic saw blade straining / 800

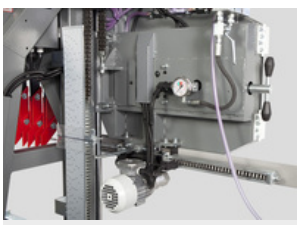
Hydraulic saw blade straining
Operated by a hydraulic hand pump with accurate pressure indication. The saw blade straining is more accurate and convenient.

Ammeter

Ammeter
The ammeter scale shows the saw blade engine load during the cut. It is designed to simplify the selection of the feed speed; it also indicates the saw blade bluntness. A timely exchange of the saw blade increases the life-span and improves the cutting quality.

Soft starter

Soft starter
Electronic device enabling a smooth start-up of the band saw main motor. It prevents grid surges reducing mechanical stress of the whole machine. For motors 11 kW.

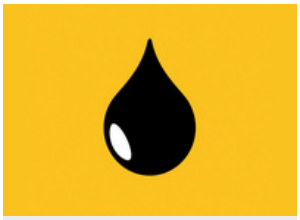


Electrically controlled bar 800 H

Electrically controlled bar
Adjustment of sliding guide bar of the saw blade depending on the log diameter electrically controlled from the central control desk.

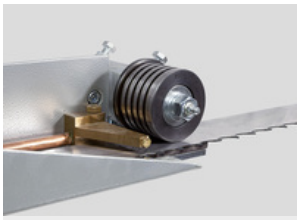
Lever for log loading

Lever for log loading
Serves as help with manipulation with logs on machine frame.



Saw band cooling control

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

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

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.

LED lighting (11 W)

LED lighting (11 W)
Good quality lightening of the workspace using two powerful LED strips mounted on a movable bridge.

Hand Operated Grease Gun

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

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

ACCESSORIES – HYDRAULIC ACCESSORIES

Double-arm hydraulic log loader 800

Double-arm hydraulic log loader
The hydraulic double-arm log loader allows safe and fast lifting of the log onto the loading area of the machine. The main frame of the machine is fitted with lifting attachments along its full length, which allow easy transport of individual holders according to the length of the loaded material. Each loader is controlled separately, which allows to lift easily even very tapered logs.

Additional arm to the log loader 1000

Additional arm to the log loader

Retractable log turner 800

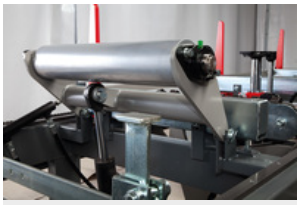
Retractable log turner
One piece is always a part of the basic version of the machine and it is a vital multi-functional assembly, the most significant of all hydraulic accessories. It moves both in vertical and horizontal axis on strong hard chromium plated rods using two independently controlled hydraulic cylinders. It is used to clamp, turn and feed the material to retractable stops.

Chain log turner 1 arm 800

Chain log turner 1 arm
Powerful chain turner is equipped with swinging arm. A chain powered by a hydromotor is mounted on it. The material is rotated against the angular squaring arms. When cutting long logs with frequent rotation, we recommend equip the machine with a pair of these turners, which significantly shortens the necessary handling times and thus increases the productivity of the machine.

Taper conicity fixed roller 800

Taper conicity fixed roller
Lifts the log axis in horizontal position according to its taper or lifts the whole log above the loading area to allow easier handling.

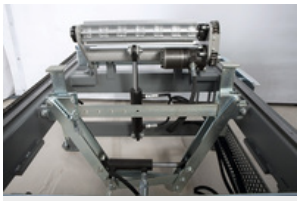


Taper conicity passive roller 800

Taper conicity passive roller
Lifts the log axis in horizontal position according to its taper or lifts the whole log above the loading area to allow easier handling. The robust rotary cylinder ensures simple feed of the log.

Taper conicity driven roller 800

Taper conicity driven roller
It serves to lift the log axis into a horizontal position according to its conicity or lifting the entire log over the heading area and using a driven roller to compensate the horizontal displacement for its optimum lenghwise alignment on the machine bed. The horizontal feed roller is driven by a hydraulic motor.“



Log clamps 800

Log clamps
Hydraulic clamps align themselves automatically according to the log diameter or they can be locked in the desired position. They are also used for one-side material clamping against angular stops. All clamps are controlled by a single controller.

Cut material feeder 1300

Cut material feeder
During the back feed of the saw band arm after the cut the side stops help feed the cut material towards the control panel, allowing very simple collection of the material. From this point the material can be fed onto follow-up belt or roller conveyors.

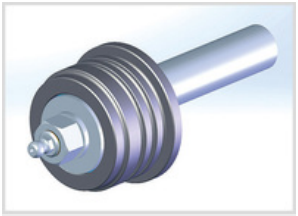
Cut material slide mechanical 800

Cut material slide mechanical
The mechanical allow setting in accordance to the cutting plane. It is used to slide the fed material onto the follow-up belt or roller conveyors.

Cut material slide hydraulic 1000

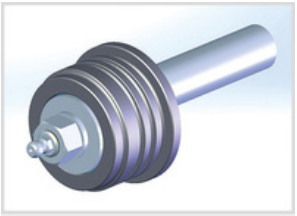
Cut material slide hydraulic
The hydraulics allow setting in accordance to the cutting plane. It is used to slide the fed material onto the follow-up belt or roller conveyors.

ACCESSORIES – CONSUMABLE PARTS



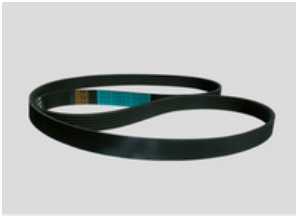
Saw Band Guide Pulley VK 35

Saw band guide pulley VK 35
Hardened ground pulley, bearings, shaft for a saw band 35 mm wide.



Saw Band Guide Pulley VK 40

Saw band guide pulley VK 40
Hardened ground pulley, bearings, shaft for a saw band 40 mm wide.



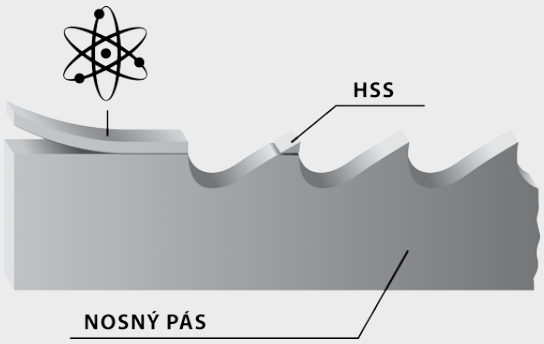
Flat Running Wheel Belt GPK 1885

Flat running wheel belt GPK 1885

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.

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CTR 1000 H / 40

Max. (mm)


1000


850


770 x 875

5350 x 34-41 x 0,9-1,27 mm

Max. log diameter	1000 mm
Max. opening betwen blade guides	850 mm
Max. elevation of blade	875 mm
Min. log height	30 mm
Max. depth of cut	450 mm
Max. log length (standard model)	7,6 m
Length track section	3 m
Min. log length	1,2 m
Saw blade motor	15 (18,5) kW
Horizontal feed motor	1,5 kW
Vertical feed motor	0,55 kW
Hydraulic motor unit	5,5 kW
Hydraulic oil	ISO 6743/4-HM, DIN 51 524 part 2-HLP
Sawblade	5350 x 35 ÷ 40 x 0,9 ÷ 1,1 mm
Weight (standard model)	2580 kg
Weight (track section)	420 kg

Nomimal current of circuit breaker is minimally: main el. motor 15,0 kW – 50 Ampere / main el. motor 18,5 kW – 63 Ampere

DESCRIPTION

Feed into the cut and back – motor-powered
Arm height adjustment – motor-powered
Control panel – stationary
Log handling – hydraulic

A new version of the legendary CTR 950 Hydraulic with increased maximum cut diameter of the log to 1000 mm.

Besides a completely new design of the machine there have been made a number of technical modifications and changes to improve the quality, user comfort and durability of the machine. Exceptionally robust construction of the machine and high-performance hydraulic equipment allow operation even under the most difficult operating conditions including non-stop operation. Many 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:

- Hydraulic log clamp - 2x
- Tilting angle - 5x
- Retractable log turner - 1x
- Taper conicity passive roller - 1x
- Taper conicity driven roller - 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.

A wide, exceptionally massive running bridge of the saw band arm and robust 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 dis-played 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. 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 running wheels made of high-quality grey cast iron with accurate balancing against vibrations.

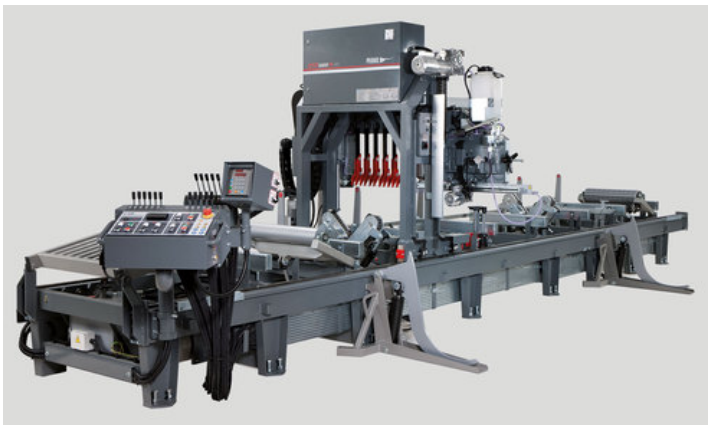
The wheel has a groove along its circumference. The groove holds a replaceable rubber-textile belt which creates an optimum contact area between the wheel and the saw band.

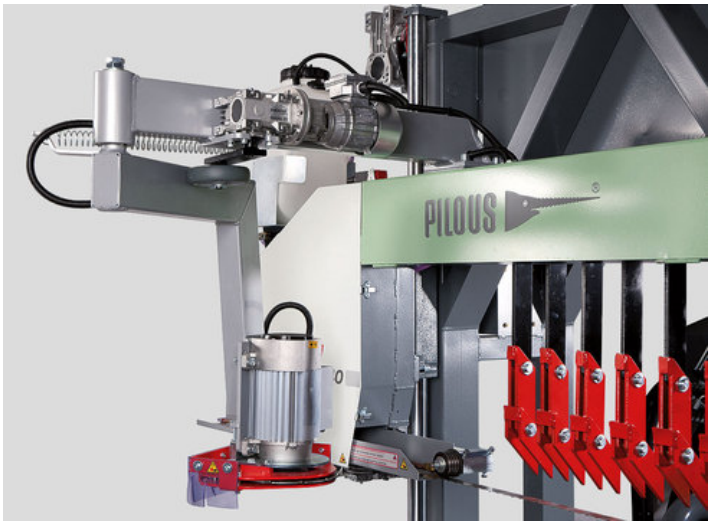
The sturdily mounted running wheel is powered through a wedge belt by a professional electrical motor specially balanced against vibrations. The tensioning wheel system moves along a sturdy cast iron wedge guide with adjustable pressure bar, which allows highly accurate adjustment without any free travel even in long-term machine operation.

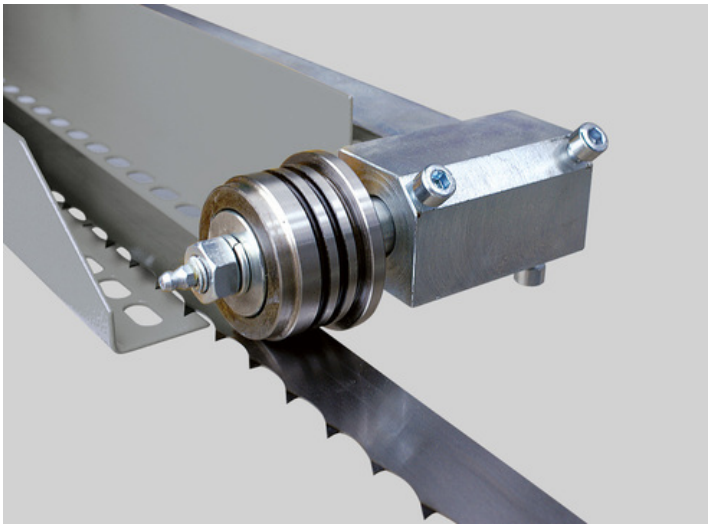
The basis of the machine is formed by extremely stable travel sections with reversible, adjustable, steel guidance of the arm bridge. Travel sections are amply dimensioned for the indicated maximum diameters of processed logs and based on practice they count even with very tough operating conditions. Double sided guidance of a bridge on the travel section combined with a powerful engine, enable fluent and fast shift (removal) of even heavy cut pieces when using the cut material feeder. Length of the cut is practically unlimited for all types according to the number of installed sections. Travelling sections are equipped with massive, height adjustable timber bearing areas.

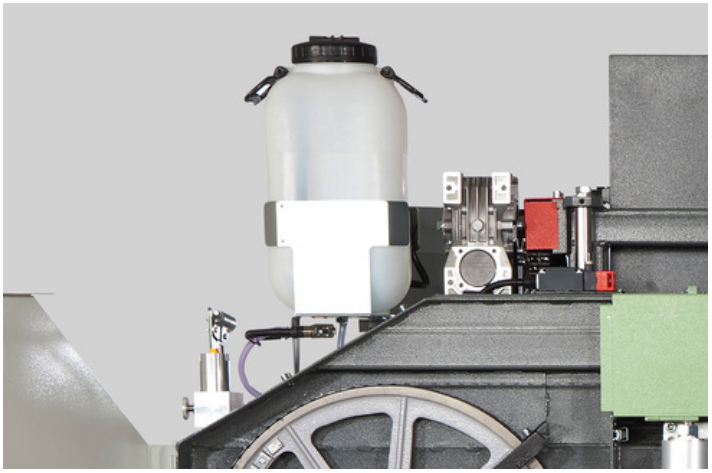
CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs. The machines are designed in an original modular execution which allows easy replacement or adjustment of all main 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



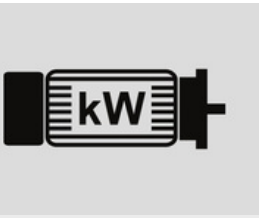






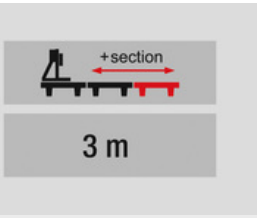
ACCESSORIES

ACCESSORIES – SPECIAL ACCESSORIES



Main motor 18,5 kW

Main motor 18,5 kW
Stronger output of motor provides faster cut, mainly with huge diameters of logs.



Track section 3 m

Track section
3 meter – contain in basic: 1x squaring arm
Extending section is equiped with many points for instalation of hydraulic equipment. That provides variability of placement with aspect of cutting material.

LG 100

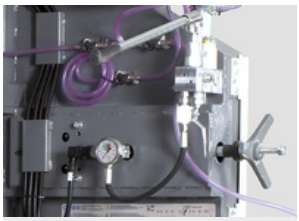
LG 100
It is intended for a quick and accurate setting of required board thickness. The movement of the band saw arm up and down is displayed with an accuracy of 0.1 mm on a colour display. The absolute height from the band saw bed or, after reset, the set board thickness including the optional kerf thickness is displayed.

LG automat / 1000 H/40

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.

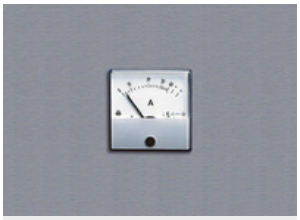
Pre-cutter / 1000 H/40

Precutter
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



Hydraulic saw blade straining / 1000 H/40

Hydraulic saw blade straining
Operated by a hydraulic hand pump with accurate pressure indication. The saw blade straining is more accurate and convenient.



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Ammeter
The ammeter scale shows the saw blade engine load during the cut. It is designed to simplify the selection of the feed speed; it also indicates the saw blade bluntness. A timely exchange of the saw blade increases the life-span and improves the cutting quality.

Soft starter

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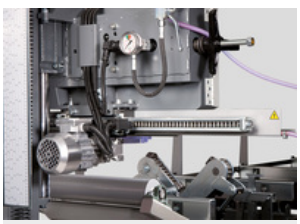
Electronic device enabling a smooth start-up of the band saw main motor. It prevents grid surges reducing mechanical stress of the whole machine. For motors 11 kW.

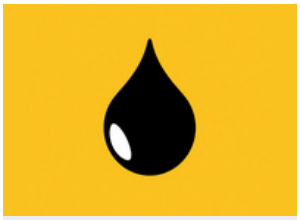


Electrically controlled bar 1000

Electrically controlled bar
Adjustment of sliding guide bar of the saw blade depending on the log diameter electrically controlled from the central control desk.

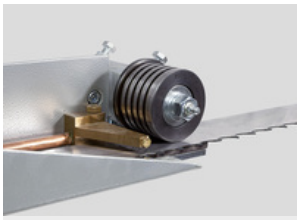
Lever for log loading

Lever for log loading
Serves as help with manipulation with logs on machine frame.



Saw band cooling control

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

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

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.

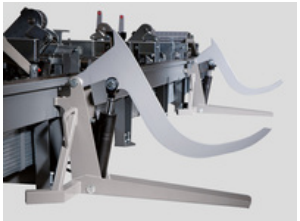
Hand Operated Grease Gun

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

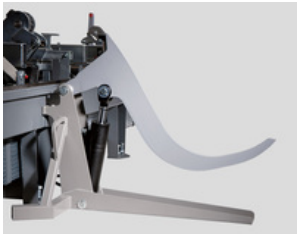
Grease LV 2-3
400g cartridge for the grease gun.

ACCESSORIES – HYDRAULIC ACCESSORIES



Double-arm hydraulic log loader 1000

Double-arm hydraulic log loader
The hydraulic double-arm log loader allows safe and fast lifting of the log onto the loading area of the machine. The main frame of the machine is fitted with lifting attachments along its full length, which allow easy transport of individual holders according to the length of the loaded material. Each loader is controlled separately, which allows to lift easily even very tapered logs.



Additional arm to the log loader 1000

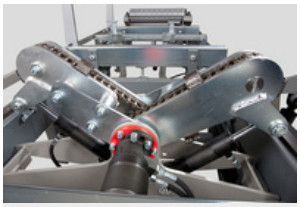
Additional arm to the log loader

Výsuvné úhlové opěrky 1000

Retractable angles
Comfortable design and replacement of standard retractable angles. Set of four pieces.

Retractable log turner 1000

Retractable log turner
One piece is always a part of the basic version of the machine and it is a vital multi-functional assembly, the most significant of all hydraulic accessories. It moves both in vertical and horizontal axis on strong hard chromium plated rods using two independently controlled hydraulic cylinders. It is used to clamp, turn and feed the material to retractable stops.



Double-arm chain log turner 1000

Double-arm chain log turner
Powerful chain log turner is equipped with two pivoted, separately controlled arms. They hold chains, synchronously driven by a hydraulic motor. The chains facilitate easy turning of the cut material. When cutting long logs that need constant turning we recommend to equip the machine with a pair of turners. This will help reduce the required handling times significantly and therefore increase the machine effectiveness.

Taper conicity passive roller 1000

Taper conicity passive roller
Lifts the log axis in horizontal position according to its taper or lifts the whole log above the loading area to allow easier handling. The robust rotary cylinder ensures simple feed of the log.

Taper conicity driven roller 1000

Taper conicity driven roller
Lifts the log axis in horizontal position according to its taper or lifts the whole log above the loading area to allow easier handling.

Log clamps 1000

Log clamps
Hydraulic clamps align themselves automatically according to the log diameter or they can be locked in the desired position. They are also used for one-side material clamping against angular stops. All clamps are controlled by a single controller.

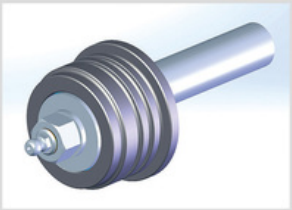
Cut material feeder 1000

Cut material feeder
During the back feed of the saw band arm after the cut the side stops help feed the cut material towards the control panel, allowing very simple collection of the material. From this point the material can be fed onto follow-up belt or roller conveyors.

Cut material slide hydraulic 1000

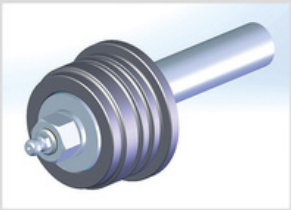
Cut material slide hydraulic
The hydraulics allow setting in accordance to the cutting plane. It is used to slide the fed material onto the follow-up belt or roller conveyors.

ACCESSORIES – CONSUMABLE PARTS



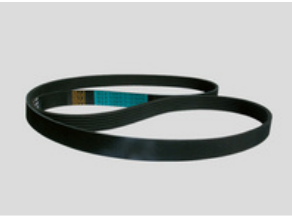
Saw Band Guide Pulley VK 35

Saw band guide pulley VK 35
Hardened ground pulley, bearings, shaft for a saw band 35 mm wide.



Saw Band Guide Pulley VK 40

Saw band guide pulley VK 40
Hardened ground pulley, bearings, shaft for a saw band 40 mm wide.



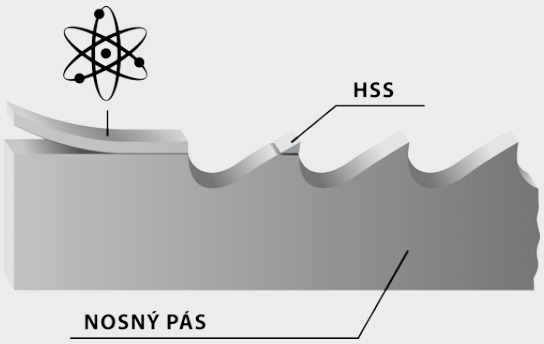
Flat Running Wheel Belt GPK 1885

Flat running wheel belt GPK 1885

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.

OFFER LIST

Pilous
Železná 9, 619 00 Brno, Czech Republic
Tel.: +420 543 25 20 10
*e-mail: **wood@pilous.cz**, **www.pilous.cz***

CTR 1000 H / 40 LX

Max. (mm)


1000


850


770 x 875

5350 x 34-41 x 0,9-1,27 mm

Max. log diameter	1000 mm
Max. opening betwen blade guides	850 mm
Max. elevation of blade	875 mm
Min. log height	30 mm
Max. depth of cut	450 mm
Max. log length (standard model)	7,6 m
Length track section	3 m
Min. log length	1,2 m
Saw blade motor	18,5 kW
Horizontal feed motor	1,5 kW
Vertical feed motor	0,55 kW
Hydraulic motor unit	5,5 kW
Hydraulic oil	ISO 6743/4-HM, DIN 51 524 part 2-HLP
Sawblade	5350 x 35 - 40 x 0,9 - 1,27 mm
Weight (standard model)	2580 kg
Weight (track section)	420 kg

Nomimal current of circuit breaker is minimally: main el. motor 18,5 kW – 63 Ampere

DESCRIPTION

Feed into the cut and back – motor-powered
Arm height adjustment – motor-powered
Control panel – stationary
Log handling – hydraulic

The LX is a new version of the best-selling model with the hydraulic accessory CTR 1000 H 40. All innovations have been made to maximizing productivity and machine comfort. Exceptionally robust construction of the machine and high-performance hydraulic equipment allow operation even under the most difficult operating conditions including non-stop operation. Many hydraulic accessories easily handle even very large logs, significantly increase the productivity of the machine and save labour costs.

Compared to the standard design, it has the following benefits:

Central control panel

For a faster, more comfortable and ergonomic operation, the LX version features a pair of joysticks, a touch screen, and main panel is adjustable height. It also allows fully comfortable operations.

Control the machine using joysticks

The panel is fitted with a pair of joysticks.

The left joystick controls the movement of the arm up and down. It is also equipped with a pair of buttons.

Button 1 – is used to automatically raise the arm by 10 mm after completing the cut to return the arm to the starting position.

Button 2 – moves the arm by 10 mm at the end of the cut to allow the last board to be removed using the cut material feeder.

The right joystick controls the movement of the arm forwards and backwards. It has five buttons.

Buttons 1 and 2 control the movable bar to have saw blade guide much close as possible to the material during the cut.

Buttons 3 and 4 pre-cut control. For a description of the pre-cutter function.

Button 5 – „Safety".

Touch display

Easy intuitive operation on color touch screen. The following functions are selected and displayed on the touch-screen with the PLC control unit:

– Display the current position of the saw blade from the lower starting position

– Specifying the required cutting thickness

– Specifying the saw blade kerf

– Automatical movement to the required position

– With the specified cutting thickness and cut, shows the number of pieces that can be cut off from the material

– For all movement displays the current travel speed in m/min.

Precutter

To simplify and increase the speed of operation, the LX version works in a semi-automatic cycle. After pressing button 3 on the joystick, slide the cutter disc and move to the material. After finishing the cut and start of the back moves, the pre-cut disc stops and the pre-cut automatically moves to the starting position. It avoids possible collisions. Stopping the precutter blade and turning to the starting position can also be controlled by the button 4 on the joy-stick.

Clamping of material

Compared with the standard version, the material clamps are hydraulically height adjustable. This allows the cut material to be griped to the rails to prevent unwanted deformations and ensures that the last plate has the same width along its entire length.

Loading material area

Cut material lies on massive, height-adjustable cross beams. In the standard version, the beams have a 6 cm wide bearing surface. For the LX version, the edges are A-shaped so there is the minimum contact area between the beam and the split material. This makes it easier, faster to take out the last board using the Cut material feeder. The feeded last board "runs" cross the beam and there can be no collision of the board edge with the beam.

Material guides

New Cut material feeder accessory. The feeder is additionally fitted with an extension with folding guides. These prevent the material being pulled out of the machine axis or the conveyor. Note: Use Material guides limit maximum cutting thickness to 190 mm, cut height to 725 mm and maximum log diameter to 950 mm.

Pull-out brackets

Compared to the standard version with squaring arms, the LX version is equipped with pull-out brackets. This prevents a possible collision between the uneven log and the squaring arm. It is possible to fasten much shorter material with the pull-out brackets than with old version arms. The pull-out brackets, as well as the squaring arms, are mechanically interconnected to each other, and thus their height is always guaranteed.

The basic version is fitted with following hydraulic accessories:

• Hydraulic special log clamp pulling to frame - 2x
• Retractable angle - 4x
• Retractable log turner - 1x
• Taper conicity passive roller - 1x
• Taper conicity driven roller - 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.

A wide, exceptionally massive running bridge of the saw band arm and robust 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 dis-played 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. 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 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 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.

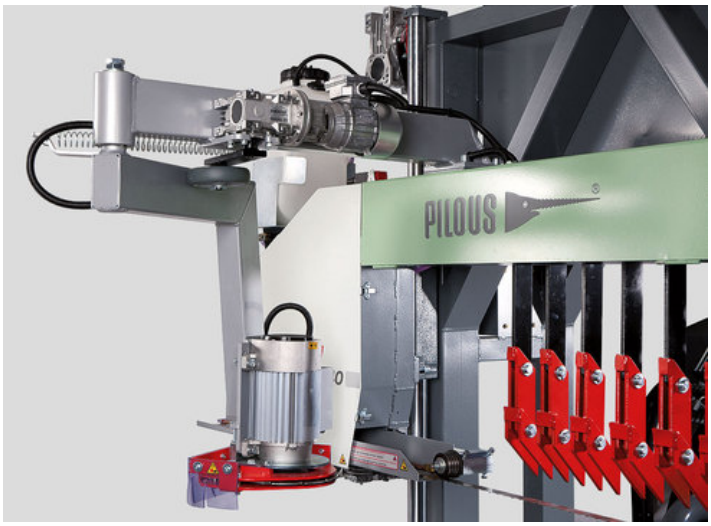
The basis of the machine is formed by extremely stable travel sections with reversible, adjustable, steel guidance of the arm bridge. Travel sections are amply dimensioned for the indicated maximum diameters of processed logs and based on practice they count even with very tough operating conditions. Double sided guidance of a bridge on the travel sec-tion combined with a powerful engine, enable fluent and fast shift (removal) of even heavy cut pieces when using the cut material feeder. Length of the cut is practically unlimited for all types according to the number of installed sections. Travelling sections are equipped with massive, height adjustable timber bearing areas.

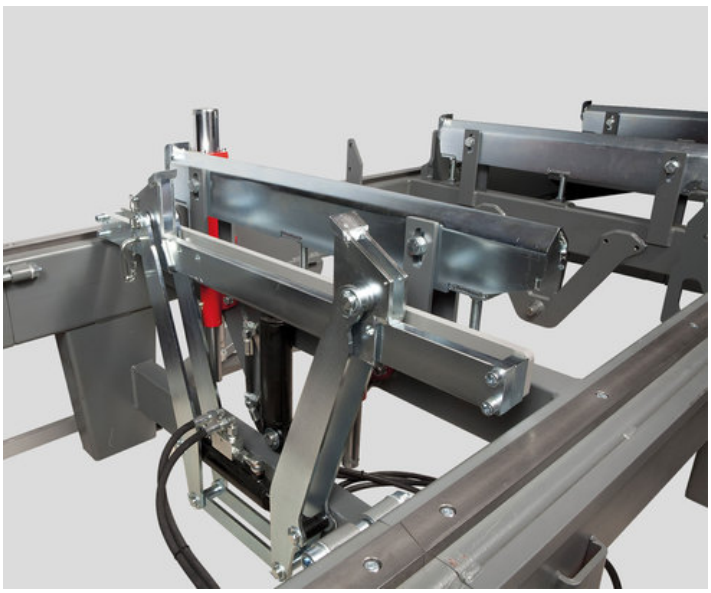
CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs. The machines are designed in an original modular execution which allows easy replacement or adjustment of all main 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.

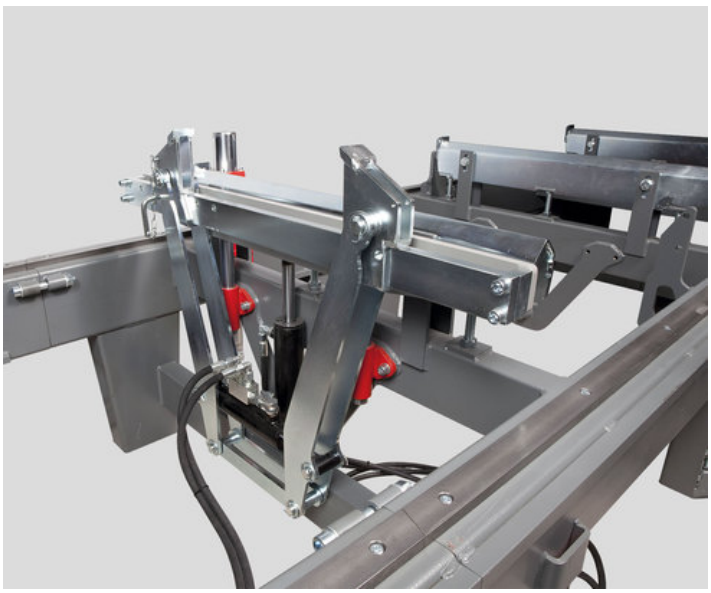
Accessories

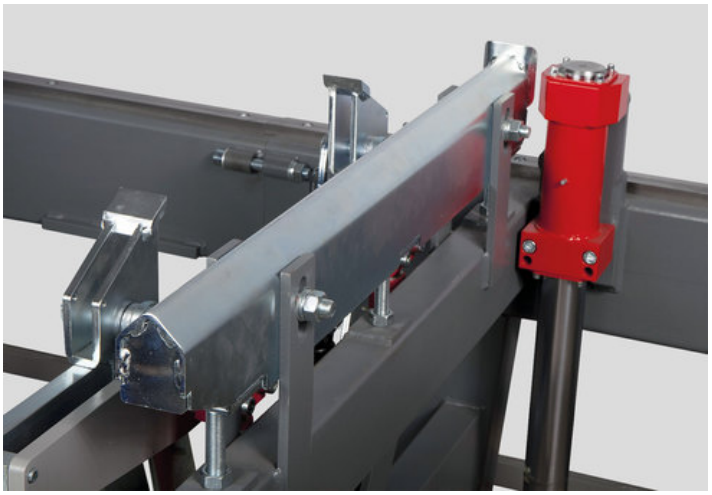
There is a wide range of accessories to all of these machines; they simplify and accelerate machine operation and influence its production. Our original modular system allows additional installation of necessary equipment at any time, because all basic versions of machines include all fitting spots including holes and threads.

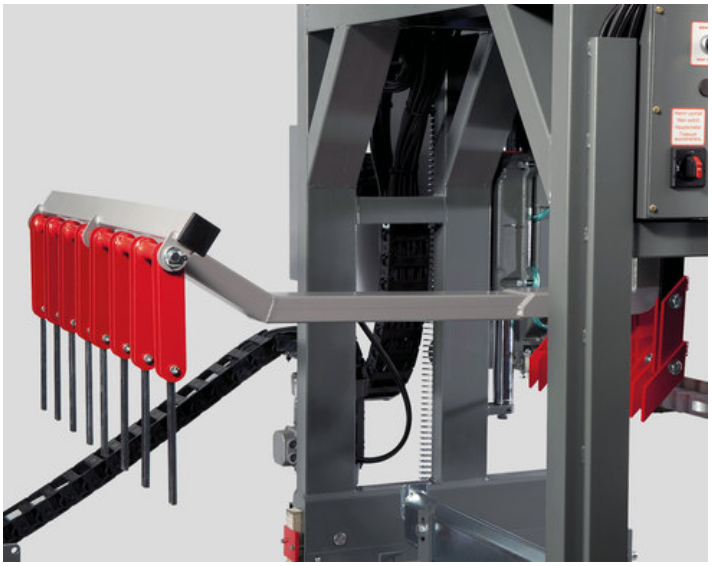
PHOTOGALLERY





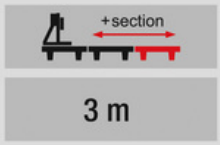






ACCESSORIES

ACCESSORIES – SPECIAL ACCESSORIES



Track section 3 m

Track section
3 meter – contain in basic: 1x squaring arm
Extending section is equiped with many points for instalation of hydraulic equipment. That provides variability of placement with aspect of cutting material.

Pre-cutter / 1000 H/40

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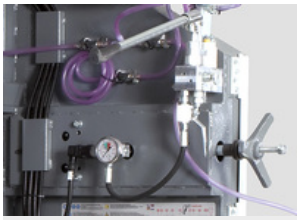

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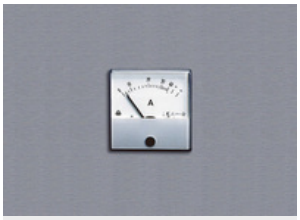

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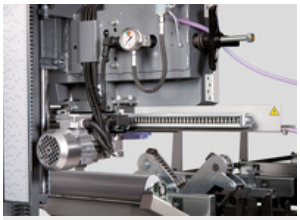

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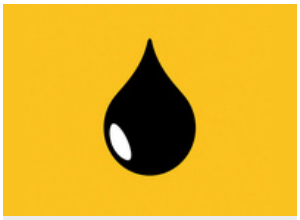

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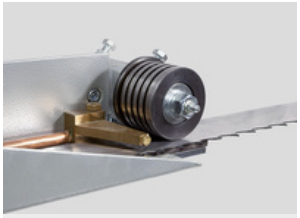

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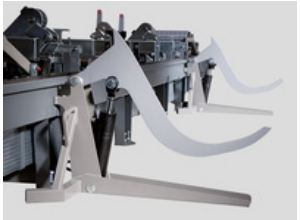

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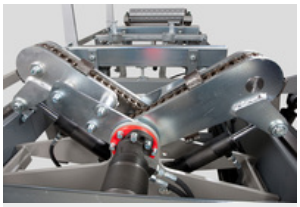

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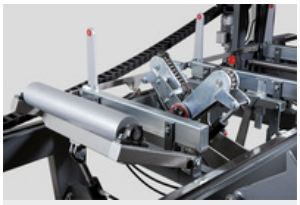

Taper conicity passive roller 1000

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Taper conicity driven roller 1000

Taper conicity driven roller
Lifts the log axis in horizontal position according to its taper or lifts the whole log above the loading area to allow easier handling.

Log clamps 1000

Log clamps
Hydraulic clamps align themselves automatically according to the log diameter or they can be locked in the desired position. They are also used for one-side material clamping against angular stops. All clamps are controlled by a single controller.

Cut material feeder 1300

Cut material feeder
During the back feed of the saw band arm after the cut the side stops help feed the cut material towards the control panel, allowing very simple collection of the material. From this point the material can be fed onto follow-up belt or roller conveyors.

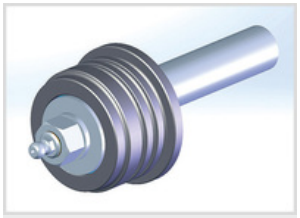
Cut material slide hydraulic 1000

Cut material slide hydraulic
The hydraulics allow setting in accordance to the cutting plane. It is used to slide the fed material onto the follow-up belt or roller conveyors.

Vodítka uříznutého materiálu

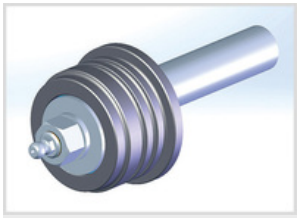
Guides for leading of material
It is used for easier material moving to conveyor.

ACCESSORIES – CONSUMABLE PARTS



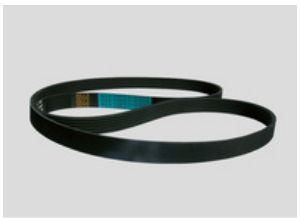
Saw Band Guide Pulley VK 35

Saw band guide pulley VK 35
Hardened ground pulley, bearings, shaft for a saw band 35 mm wide.



Saw Band Guide Pulley VK 40

Saw band guide pulley VK 40
Hardened ground pulley, bearings, shaft for a saw band 40 mm wide.



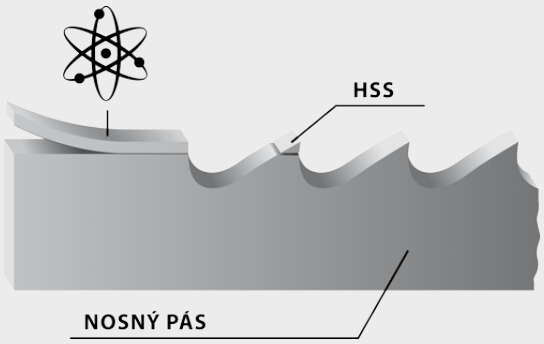
Flat Running Wheel Belt GPK 1885

Flat running wheel belt GPK 1885

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.

OFFER LIST

Pilous
Železná 9, 619 00 Brno, Czech Republic
Tel.: +420 543 25 20 10
*e-mail: **wood@pilous.cz**, **www.pilous.cz***

CTR 1000 H / 60

Max. (mm)


1000


920


920 x 920

5960 x 50-60 x 0,9-1,27 mm

Max. log diameter	1000 mm
Max. opening betwen blade guides	920 mm
Max. elevation of blade	900 mm
Min. log height	30 mm
Max. depth of cut	365 mm
Max. log length (standard model)	7,5 m
Length track section	3 m
Min. log length	1,2 m
Saw blade motor	22 kW
Horizontal feed motor	3 kW
Vertical feed motor	0,55 kW
Hydraulic motor	5,5 kW
Hydraulic oil	ISO 6743/4-HM, DIN 51 524 part 2-HLP
Sawblade	5960 x 60 x 0,9÷1,1 mm
Weight (standard model)	2800 kg
Weight (track section)	420 kg

Nomimal current of circuit breaker is minimally: main el. motor 22 kW – 63 Ampere

DESCRIPTION

Feed into the cut and back – motor-powered
Arm height adjustment – motor-powered
Control panel – stationary
Log handling – hydraulic

A combination of popular models CTR 950 Hydraulic and CTR 1300 Hydraulic. The machine contains the complete running frame with hydraulic equipment from the legendary CTR 950 H and the complete saw band arm with a wide saw band (max. 65 mm) from CTR 1300 H. Wider saw band and a high-performance engine allow higher cutting speed and therefore higher machine productivity. Thanks to the combination of these two models a new highly productive machine, unique in its category, was created and is being sold for an unmatched price.

Exceptionally robust construction of the machine and high-performance hydraulic equipment allow operation even under the most difficult operating conditions including non-stop operation. Many 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:

• Hydraulic log clamp – 2x
• Tilting angle – 5x
• Retractable log turner – 1x
• Taper conicity passive roller - 1x
• Taper conicity driven roller - 1x
• Hydraulic saw blade straining – 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.

A wide, exceptionally massive running bridge of the saw band arm and robust 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.

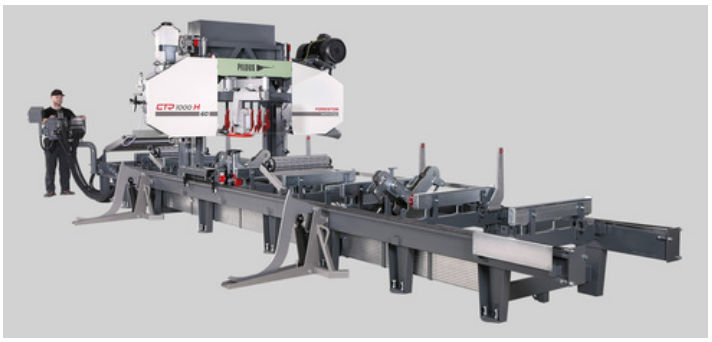
The arm is fitted with large running wheels made of high-quality grey cast iron with accurate balancing against vibrations. The wheel has a groove along its circumference. The groove holds a replaceable rubber-textile belt which creates an optimum contact area between the wheel and the saw band.

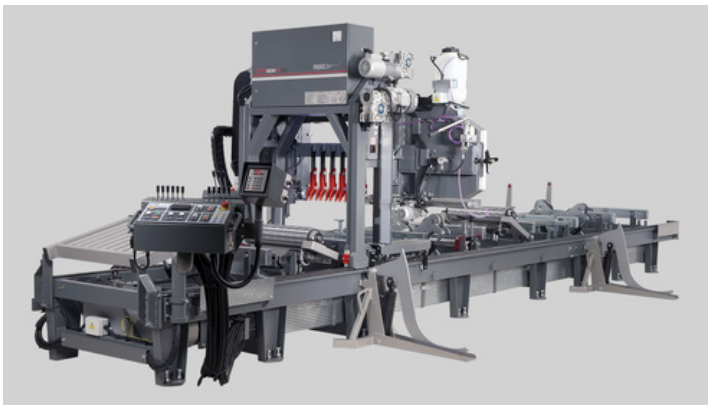
The sturdily mounted running wheel is powered through a wedge belt by a professional electrical motor specially balanced against vibrations. The machine is equipped with a powerful soft-starter that ensures smooth start-up of the main engine and reduction of impacts in the electric network. The tensioning 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.

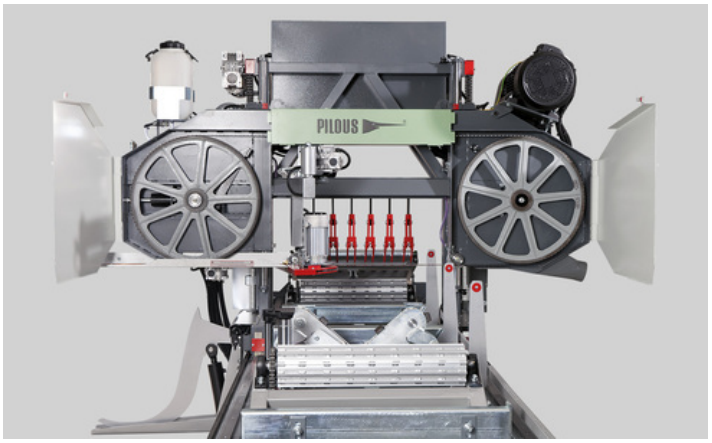
Exceptionally stable running sections with double-sided adjustable steel arm bridge guides form the basis of the machine. They are sufficiently dimensioned for maximum diameters of logs as well. They were designed reflecting the practice, therefore designed to cope with very hard operating conditions. Double-sided bridge guidance on the running

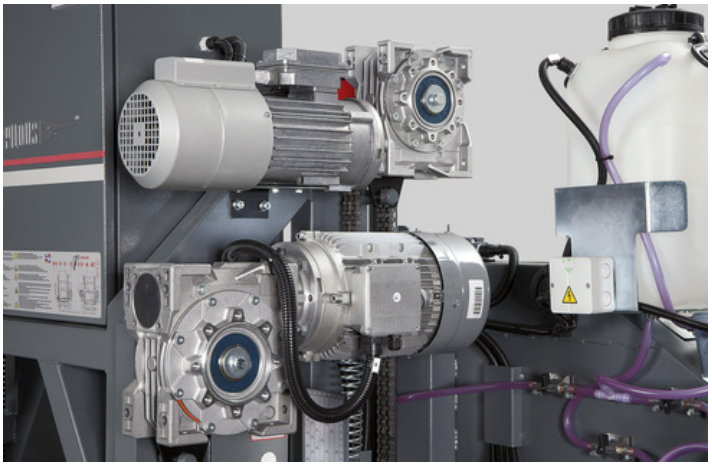
section in combination with a high-performance engine ensure smooth and fast withdrawal of heavy workpieces when using workpiece feeder. Cut length is virtually unlimited in all types of machines, it only depends on the length of running gear installed. Running gear sections are fitted with massive, height-adjustable log-bearing surfaces.

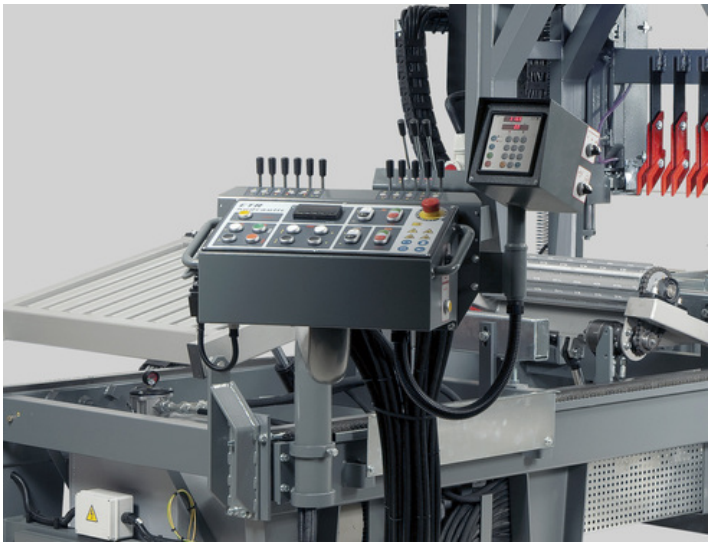
PHOTOGALLERY

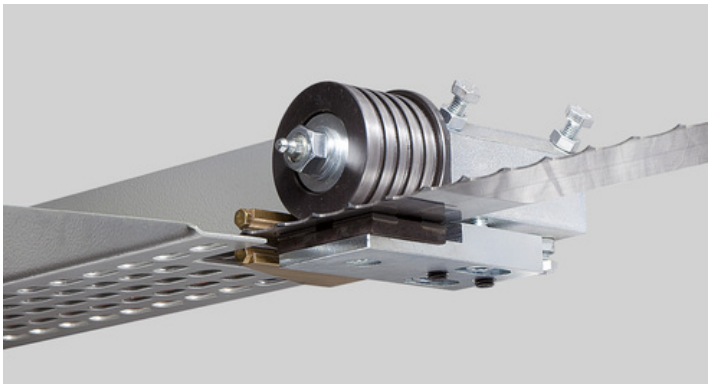


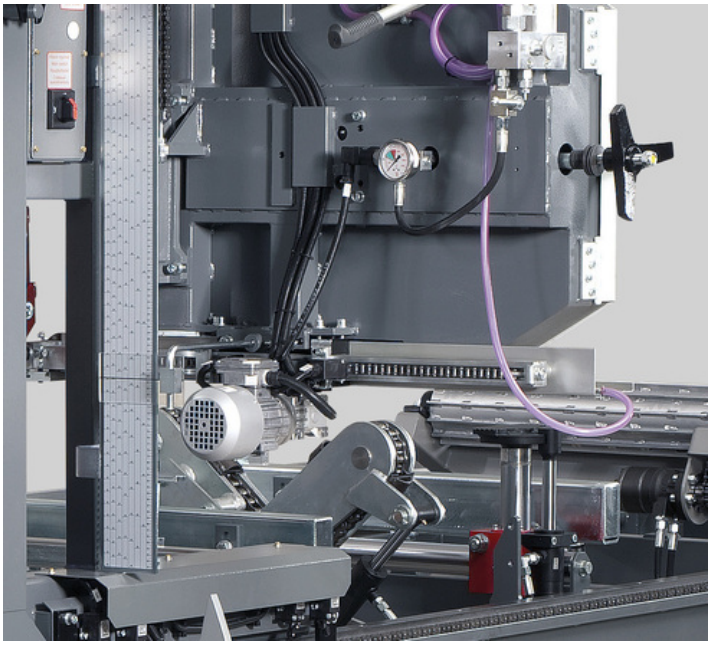


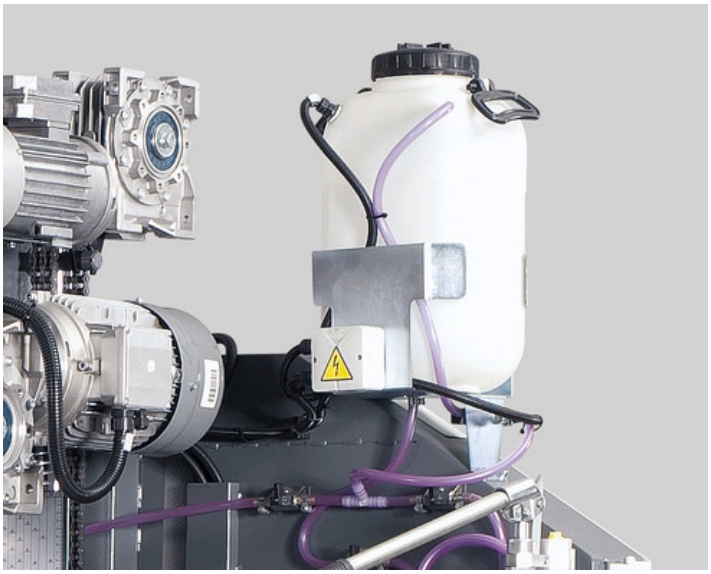


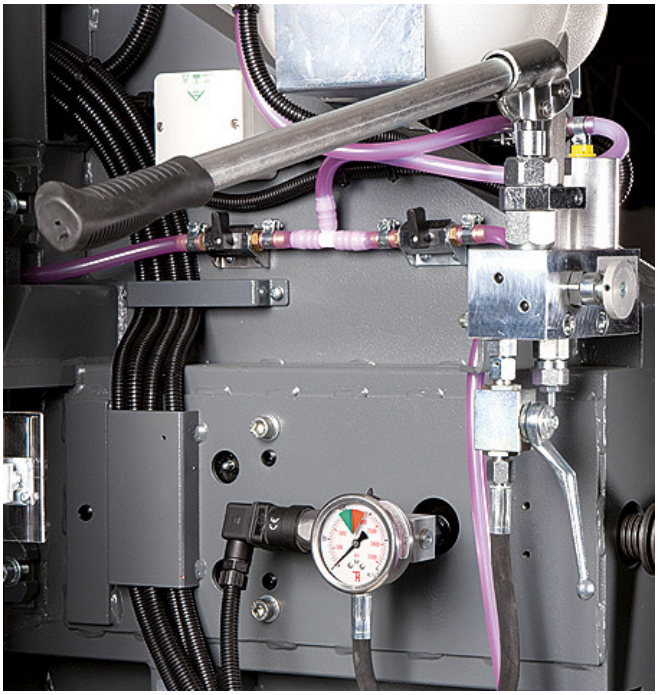


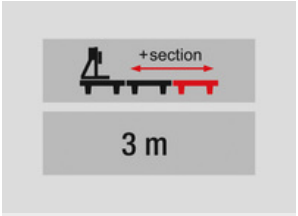












Track section 3 m

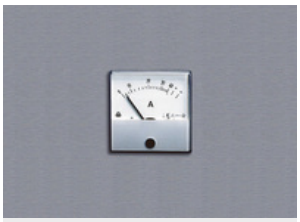
Track section
3 meter – contain in basic: 1x squaring arm
Extending section is equiped with many points for instalation of hydraulic equipment. That provides variability of placement with aspect of cutting material.

LG automat / 1000 H/60

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 / 1000 H/60

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.

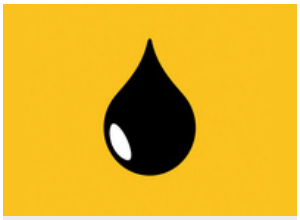


Ammeter

Ammeter
The ammeter scale shows the saw blade engine load during the cut. It is designed to simplify the selection of the feed speed; it also indicates the saw blade bluntness. A timely exchange of the saw blade increases the life-span and improves the cutting quality.

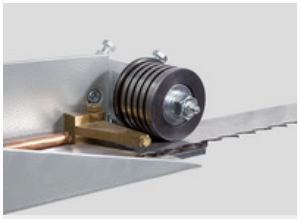
Lever for log loading

Lever for log loading
Serves as help with manipulation with logs on machine frame.



Saw band cooling control

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

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

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.

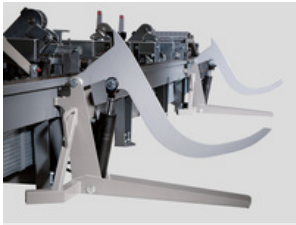
Hand Operated Grease Gun

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

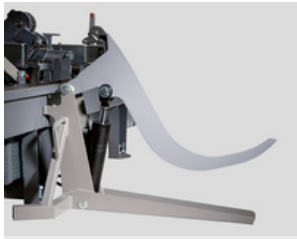
Grease LV 2-3
400g cartridge for the grease gun.

ACCESSORIES – HYDRAULIC ACCESSORIES



Double-arm hydraulic log loader 1000

Double-arm hydraulic log loader
The hydraulic double-arm log loader allows safe and fast lifting of the log onto the loading area of the machine. The main frame of the machine is fitted with lifting attachments along its full length, which allow easy transport of individual holders according to the length of the loaded material. Each loader is controlled separately, which allows to lift easily even very tapered logs.



Additional arm to the log loader 1000

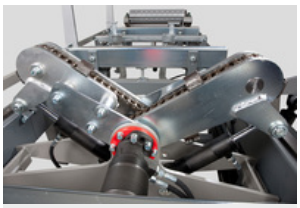
Additional arm to the log loader

Výsuvné úhlové opěrky 1000

Retractable angles
Comfortable design and replacement of standard retractable angles. Set of four pieces.

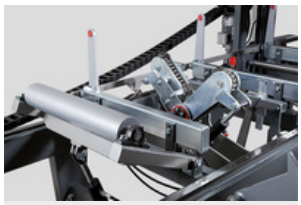
Retractable log turner 1000

Retractable log turner
One piece is always a part of the basic version of the machine and it is a vital multi-functional assembly, the most significant of all hydraulic accessories. It moves both in vertical and horizontal axis on strong hard chromium plated rods using two independently controlled hydraulic cylinders. It is used to clamp, turn and feed the material to retractable stops.



Double-arm chain log turner 1000

Double-arm chain log turner
Powerful chain log turner is equipped with two pivoted, separately controlled arms. They hold chains, synchronously driven by a hydraulic motor. The chains facilitate easy turning of the cut material. When cutting long logs that need constant turning we recommend to equip the machine with a pair of turners. This will help reduce the required handling times significantly and therefore increase the machine effectiveness.



Taper conicity passive roller 1000

Taper conicity passive roller
Lifts the log axis in horizontal position according to its taper or lifts the whole log above the loading area to allow easier handling. The robust rotary cylinder ensures simple feed of the log.

Taper conicity driven roller 1000

Taper conicity driven roller
Lifts the log axis in horizontal position according to its taper or lifts the whole log above the loading area to allow easier handling.

Log clamps 1000

Log clamps
Hydraulic clamps align themselves automatically according to the log diameter or they can be locked in the desired position. They are also used for one-side material clamping against angular stops. All clamps are controlled by a single controller.

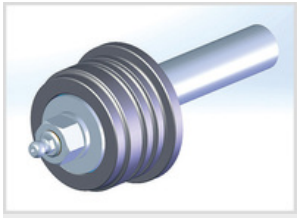
Cut material feeder 1000

Cut material feeder
During the back feed of the saw band arm after the cut the side stops help feed the cut material towards the control panel, allowing very simple collection of the material. From this point the material can be fed onto follow-up belt or roller conveyors.

Cut material slide hydraulic 1000

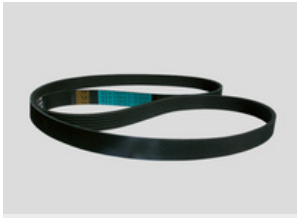
Cut material slide hydraulic
The hydraulics allow setting in accordance to the cutting plane. It is used to slide the fed material onto the follow-up belt or roller conveyors.

ACCESSORIES – CONSUMABLE PARTS



Saw Band Guide Pulley VK 60

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



Flat Running Wheel Belt GPK 2255

Flat running wheel belt GPK 2255

BAND SAWS

MAXwood

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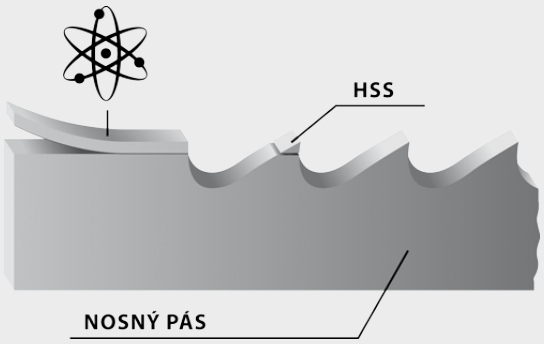

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HSS
Bearing blade

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

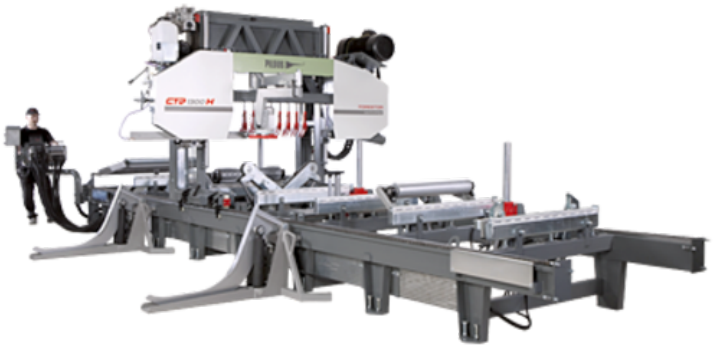
Carbon spring steel
The most common saw blade for optimum price/performance ratio. Use: soft and hard wood.

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.

OFFER LIST

Pilous
Železná 9, 619 00 Brno, Czech Republic
Tel.: +420 543 25 20 10
*e-mail: **wood@pilous.cz**, **www.pilous.cz***

CTR 1300 H



Max. (mm)		
1300	1000	920 x 920

6500 x 50-60 x 0,9-1,27 mm

Max. log diameter	1300 mm
Max. opening betwen 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

Minimální hodnota hlavního jističe: hlavní motor 22 kW - 63 Amper

DESCRIPTION

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:

• Hydraulic log clamp – 2x
• Retractable angle – 3x
• Retractable log turner – 1x
• Taper conicity passive roller - 1x
• Taper conicity driven roller - 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

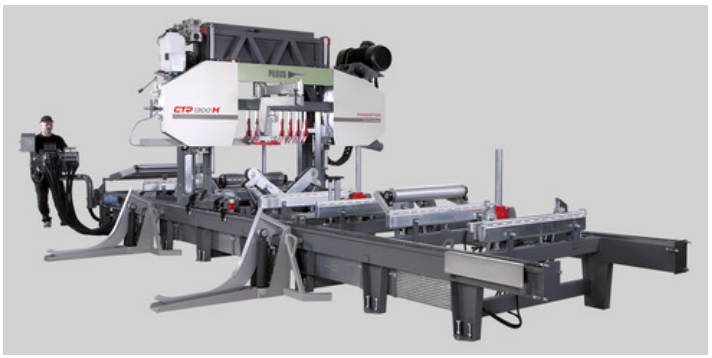
balanced against vibrations. The machine is equipped with a powerful soft-starter that ensures smooth start-up of the main engine and reduction of impacts in the electric network.

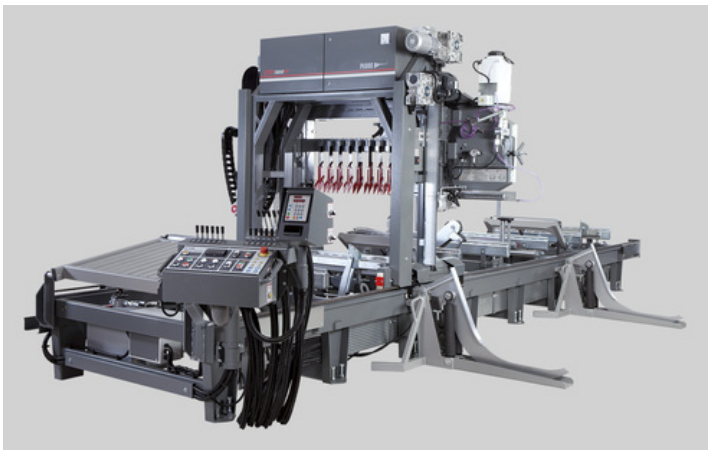
The tensioning wheel system moves along a sturdy cast iron wedge guide with adjustable pressure bar, which allows highly accurate adjustment without any free travel even in long-term machine operation. For easier and optimum tension of the saw band the machine is equipped with hydraulic tensioning system.

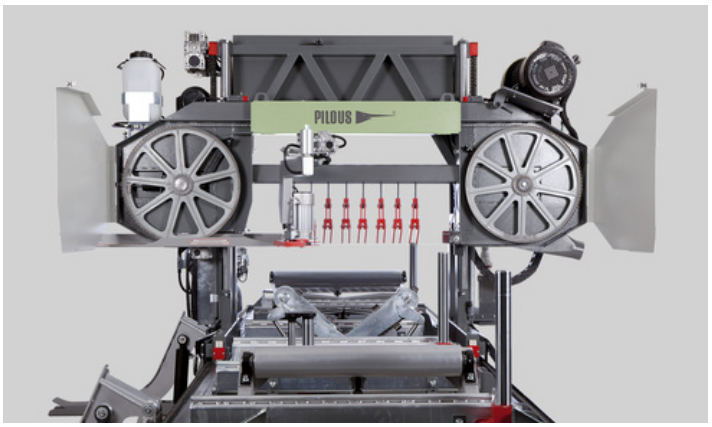
Exceptionally stable running sections with double-sided adjustable steel arm bridge guides form the basis of the machine. They are sufficiently dimensioned for maximum diameters of logs as well. They were designed reflecting the practice, therefore designed to cope with very hard operating conditions. 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.

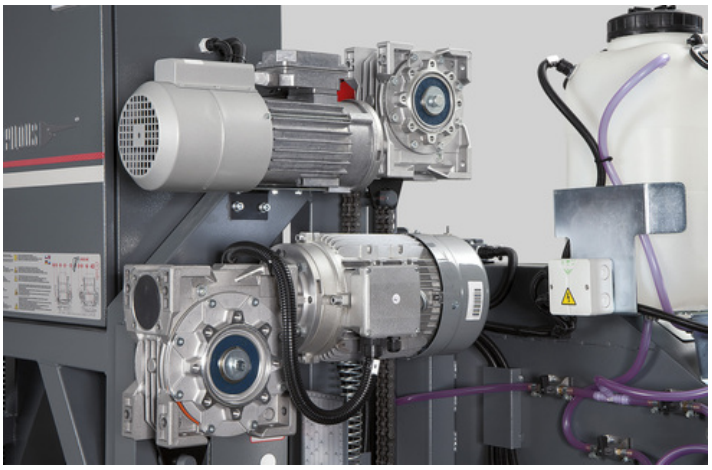
CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs. The machines are designed in an original modular execution which allows easy replacement or adjustment of all main 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.

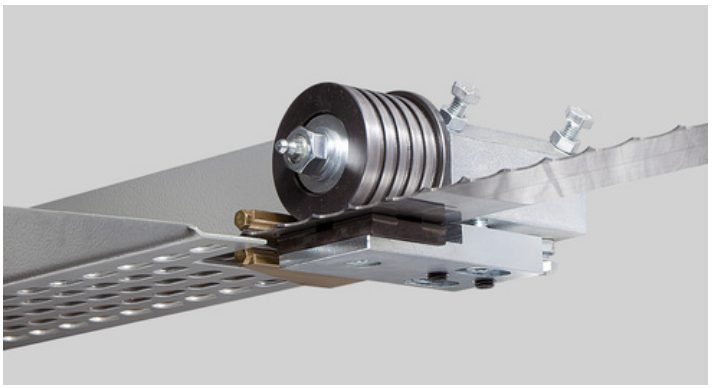
PHOTOGALLERY

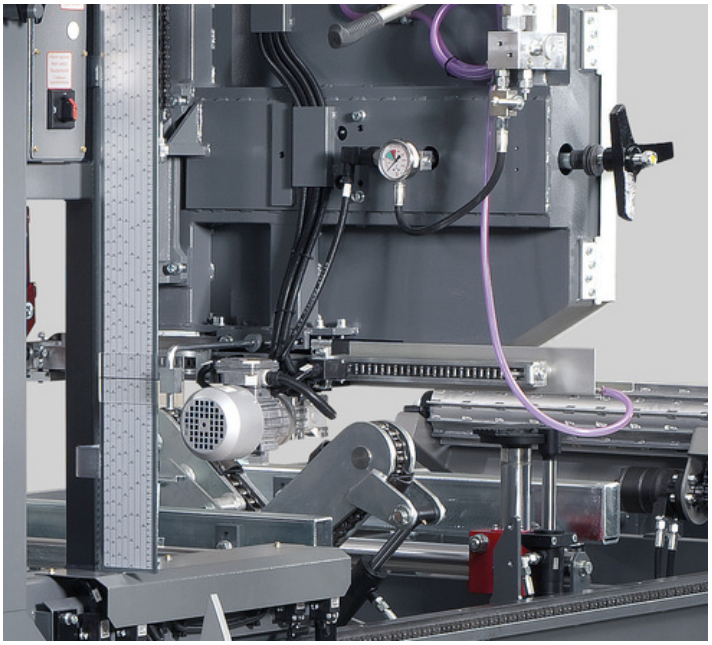


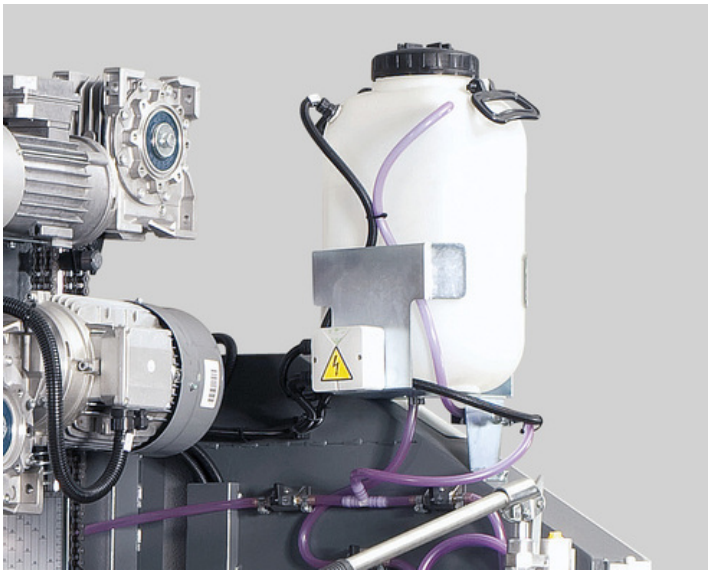










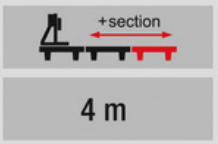


ACCESSORIES

ACCESSORIES – SPECIAL ACCESSORIES

Main motor 30 kW

Main motor 30 kW
Stronger output of motor provides faster cut, mainly with huge diameters of logs.



Track section 4 m

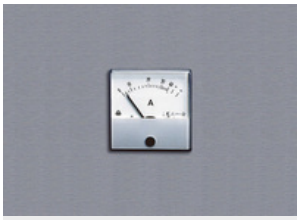
Track section
4 meter – contain in basic: 1x angle arm
Extending section is equiped with many points for instalation of hydraulic equipment. That provides variability of placement with aspect of cutting material.

LG Automat / 1300 H

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 / 1300 H

Precutter
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.

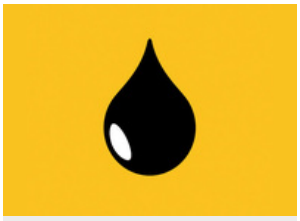


Ammeter

Ammeter
The ammeter scale shows the saw blade engine load during the cut. It is designed to simplify the selection of the feed speed; it also indicates the saw blade bluntness. A timely exchange of the saw blade increases the life-span and improves the cutting quality.

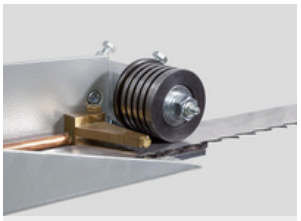
Lever for log loading

Lever for log loading
Serves as help with manipulation with logs on machine frame.



Saw band cooling control

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

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

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.

Hand Operated Grease Gun

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

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

ACCESSORIES – HYDRAULIC ACCESSORIES

Double-arm hydraulic log loader 1300

Double-arm hydraulic log loader
The hydraulic double-arm log loader allows safe and fast lifting of the log onto the loading area of the machine. The main frame of the machine is fitted with lifting attachments along its full length, which allow easy transport of individual holders according to the length of the loaded material. Each loader is controlled separately, which allows to lift easily even very tapered logs.

Additional arm to the log loader 1300

Additional arm to the log loader

Retractable log turner 1300

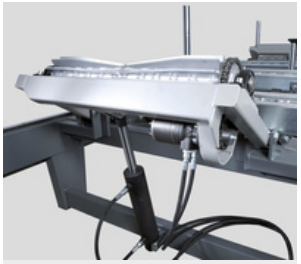
Retractable log turner
One piece is always a part of the basic version of the machine and it is a vital multi-functional assembly, the most significant of all hydraulic accessories. It moves both in vertical and horizontal axis on strong hard chromium plated rods using two independently controlled hydraulic cylinders. It is used to clamp, turn and feed the material to retractable stops.

Double-arm chain log turner 1300

Double-arm chain log turner
Powerful chain log turner is equipped with two pivoted, separately controlled arms. They hold chains, synchronously driven by a hydraulic motor. The chains facilitate easy turning of the cut material. When cutting long logs that need constant turning we recommend to equip the machine with a pair of turners. This will help reduce the required handling times significantly and therefore increase the machine effectiveness.

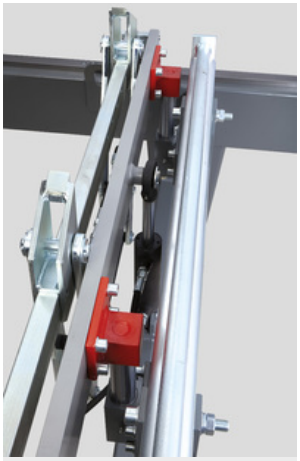
Taper conicity passive roller 1300

Taper conicity passive roller
Lifts the log axis in horizontal position according to its taper or lifts the whole log above the loading area to allow easier handling. The robust rotary cylinder ensures simple feed of the log.



Taper conicity driven roller 1300

Taper conicity driven roller
It serves to lift the log axis into a horizontal position according to its conicity or lifting the entire log over the heading area and using a driven roller to compensate the horizontal displacement for its optimum lenghwise alignment on the machine bed. The horizontal feed roller is driven by a hydraulic motor.“



Log clamps 1300

Log clamps
Hydraulic clamps align themselves automatically according to the log diameter or they can be locked in the desired position. They are also used for one-side material clamping against angular stops. All clamps are controlled by a single controller.

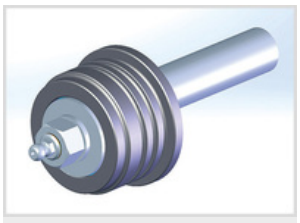
Cut material feeder 1300

Cut material feeder
During the back feed of the saw band arm after the cut the side stops help feed the cut material towards the control panel, allowing very simple collection of the material. From this point the material can be fed onto follow-up belt or roller conveyors.

Cut material slide hydraulic 1300

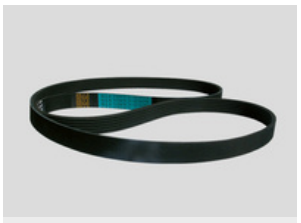
Cut material slide hydraulic
The hydraulics allow setting in accordance to the cutting plane. It is used to slide the fed material onto the follow-up belt or roller conveyors.

ACCESSORIES – CONSUMABLE PARTS



Saw Band Guide Pulley VK 60

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



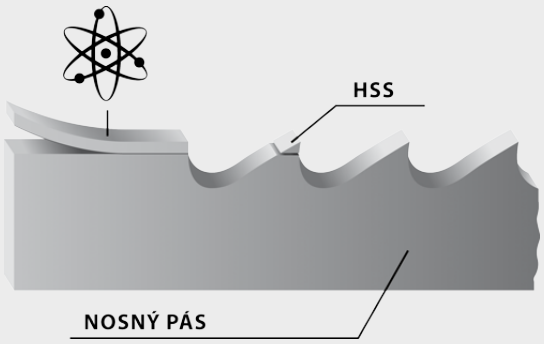
Flat Running Wheel Belt GPK 2255

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.