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 550 E

Max. log diameter	550 mm
Max. opening betwen blade guides	400 mm
Max. elevation of blade	465 mm
Min. log height	20 mm
Max. depth of cut	200 mm
Max. log lenght (standard model)	3,6 m
Length track section	2,25 m
Min. log length	0,9 m
Saw blade motor	4 kW
Feeding motor of the arm bridge	0,18 kW
Max. feed speed (forw/back)	15 m/min.
Sawblade	3110 x 27÷35 x 0,9 mm
Weight (standard model)	260 kg
Weight (track section)	76 kg

Nomimal current of circuit breaker is minimally 16 Ampere

DESCRIPTION

Feed into the cut and back – motor-powered
Arm height adjustment – manual
Control panel – on a mobile bridge
Log handling – manual

The smallest machine in the offer. It is designed primarily for cutting smaller volumes of lumber. Ideal solution for family farms, joiners' workshops or small sawmills. Unlike CTR 550, this model is equipped with mechanical feed into the cut and back with continuous speed control. That greatly increases comfort of the operator and the overall productivity. The feed 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. End positions are secured against impact by means of automatic deceleration and stopping. The control panel is placed on a mobile bridge of the saw band arm. Thanks to that the operator has closer access to the workpiece when cutting. Height is adjusted using a hand crank with adjustable scale.

First machine of its type in the world that uses bimetallic saw band which is by default used in metal band saws.
That brings the following benefits:

• very simple operation
• single saw band cuts all types of wood without tooth adjustment (sharpening, tooth setting)
• elimination of tedious, technically challenging sharpening and setting of teeth
• you can immediately start cutting wood in professional quality without any necessary experience
• bimetallic saw band easily cuts metal materials in the log such as nails, shrapnel or bullets
• professional three-side hardmetal saw band guidance in guiding heads and robust support of all rotary parts ensure high cutting accuracy and long service life of the saw band
• maximum accuracy, like in professional machines
• no need to purchase tooth sharpener and tooth setting machine
• easy accessibility and low cost of bimetallic saw bands

Total power input of the machine of 4,2 kW guarantees low operating costs and easy connection to mains. You may also use a special 35 x 0.9 mm bimetallic saw band instead of the 27 x 0.9 mm bimetallic saw band. Similarly to the metal-cutting bimetallic saw band it doesn't require any sharpening or tooth setting. You can also fit your machine with standard saw-cutting bands (35 x 0.9 mm) identical to those used in higher professional models CTR 710, 800 and 950. Larger teeth in these saw bands allow for increase of productivity when cutting large diameter logs. However, in the above mentioned saw bands it is necessary to sharpen and set the teeth regularly.

The arm is fitted with aluminium running wheels 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.

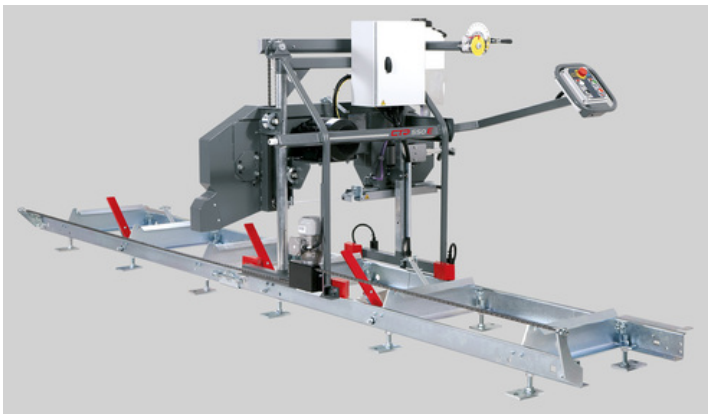
The sturdily mounted running wheel is powered through a wedge belt by a professional electric motor specially balanced against vibrations.

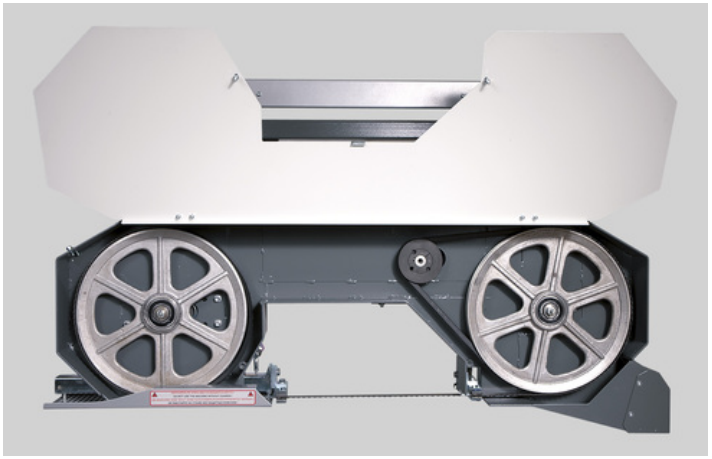
The tensioning wheel system moves within a solid cast iron guiding, which ensures long-term service life and setting accuracy even in long-term machine operation.

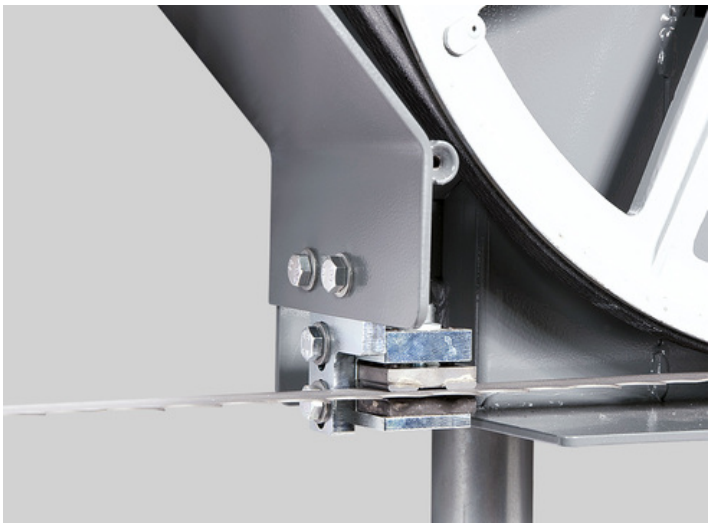
CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs.

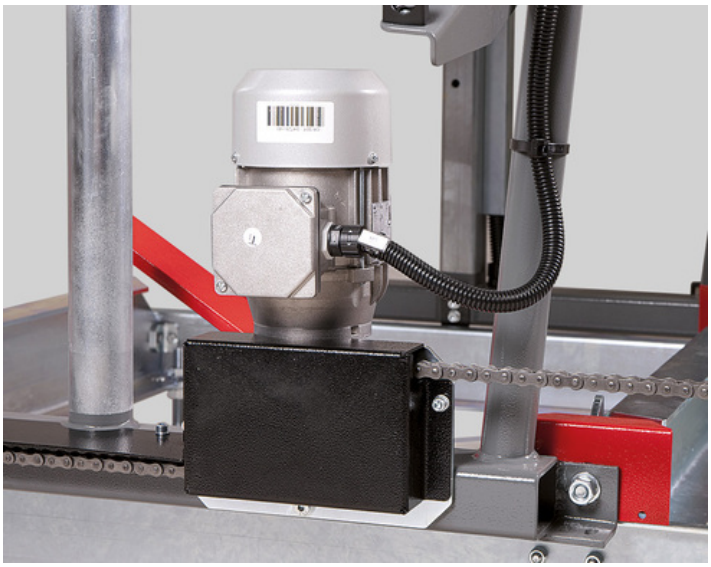
The machines are designed in an original modular execution which allows easy replacement or adjustment of all main technical sections and their individual parts. This in the long-term perspective reduces the maintenance costs and service times and therefore production stoppages as well.

PHOTOGALLERY

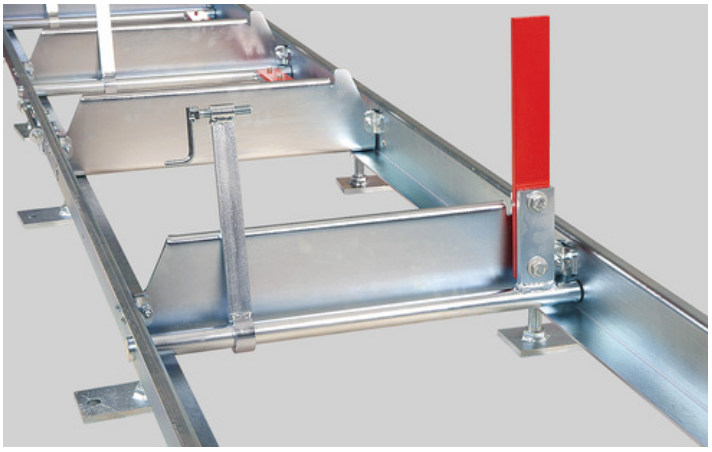








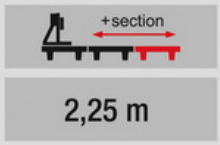

TOTAL STOP
START
STOP




PILOUS
550

ACCESSORIES

ACCESSORIES – SPECIAL ACCESSORIES



Track section 2,25 m

Track section 2,25 m
Contain in basic: 3x cross beams, 1x angle arms, 1x material clamp
Variable points: 1x angle arm, 1x material clamp

Lever for log loading

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

Material clamp with variable square

Material clamp with variable square

Additional clamp arm

Additional clamp arm

Excentrický upínač

Eccentric clamp arm
For fast and easy log clamping.

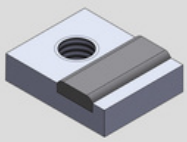
Hand Operated Grease Gun

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 – CONSUMABLE PARTS



Hard-metal Plate 20 x 0.9 mm

Hard-metal plate 20 x 0.9 mm

Hard-metal Plate 12 x 4 mm

Hard-metal plate 12 x 4 mm

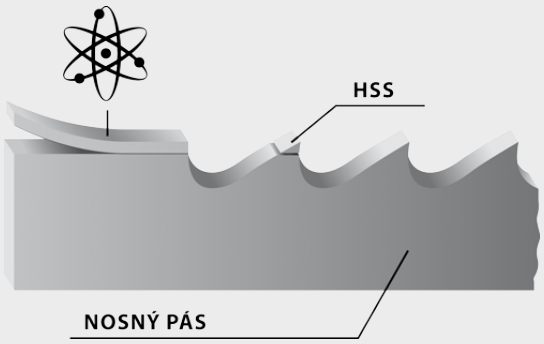
Running Wheel Wedge Belt SPB 1500 Wheel Wedge Belt B 17x1220 Li

Running wheel wedge belt SPB 1500
Wheel wedge belt 17x1220 Li

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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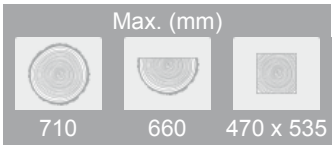
CTR 710



4140 x 35-41 x 0,9-1,1 mm

Max. log diameter	710 mm
Max. opening betwen blade guides	660 mm
Max. elevation of blade	630 mm
Min. log height	30 mm
Max. depth of cut	450 mm
Max. log length (standard model)	2,1 m
Length track section	1 m / 3 m
Min. log length	1 m
Saw blade motor	5,5 (7,5) kW
Horizontal feed motor	0,37 kW
Vertical feed motor	0,55 kW
Sawblade	4140 x 35÷40 x 0,9÷1,1 mm
Weight (standard model)	680 kg
Weight (track section)	25 kg / 97 kg

Nomimal current of circuit breaker is minimally 20 / 32 Ampere

DESCRIPTION

Feed into the cut and back – motor-powered
Arm height adjustment – motor-powered
Control panel – on a mobile bridge
Log handling – manual

Smaller, but truly professional saw band in all respects. Execution of main technical parts, such as the running wheels in their mounts, construction of the saw band arm, engine and feeding systems, etc., are completely identical to those in CTR 800 series or in very powerful CTR 950 Hydraulik and CTR 1000 H/40 series. Continuously adjustable machine feed into the cut and back and saw band arm height adjustment. Travel speed is displayed on the digital display. In this type of the machine the control panel is placed on a mobile bridge of the saw band arm. Thanks to that the operator has closer access to the workpiece when cutting.

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. End positions are secured against impact by means of limit switches with automatic deceleration and stopping.

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 meteringwhich automatically moves to the specified position.

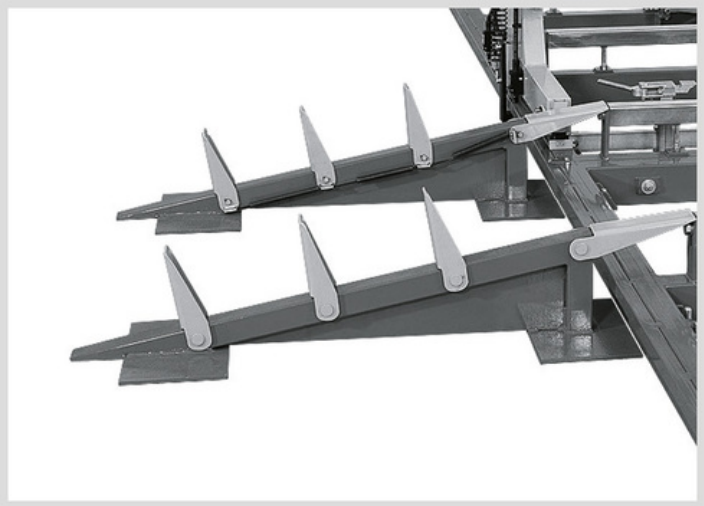
The arm is fitted with running wheels made of high-quality grey cast iron with accurate balancing against vibrations. The wheel has a groove along its circumference. The groove holds a replaceable rubber-textile belt which creates an optimum contact area between the wheel and the saw band.

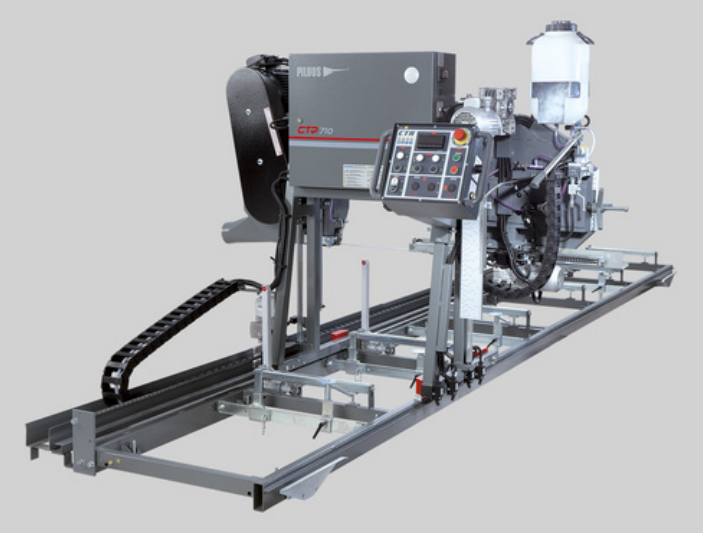
The sturdily mounted running wheel is powered through a wedge belt by a professional electrical motor specially balanced against vibrations.

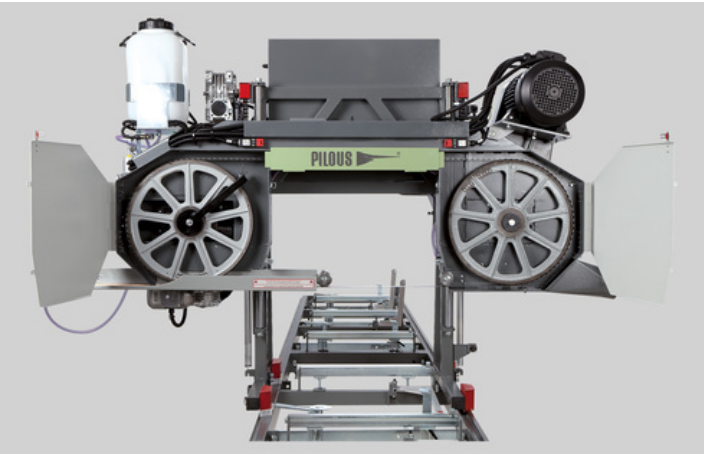
The tensioning wheel system moves along a sturdy cast iron wedge guide with adjustable pressure bar, which allows highly accurate adjustment without any free travel even in long-term machine operation.

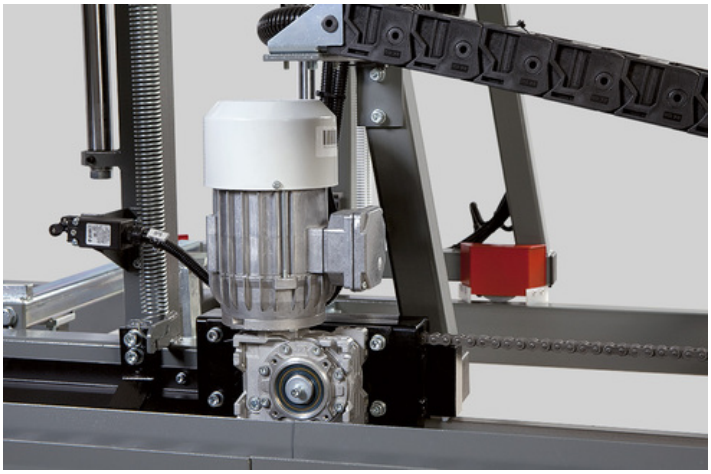
CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs. The machines are designed in an original modular execution which allows easy replacement or adjustment of all main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

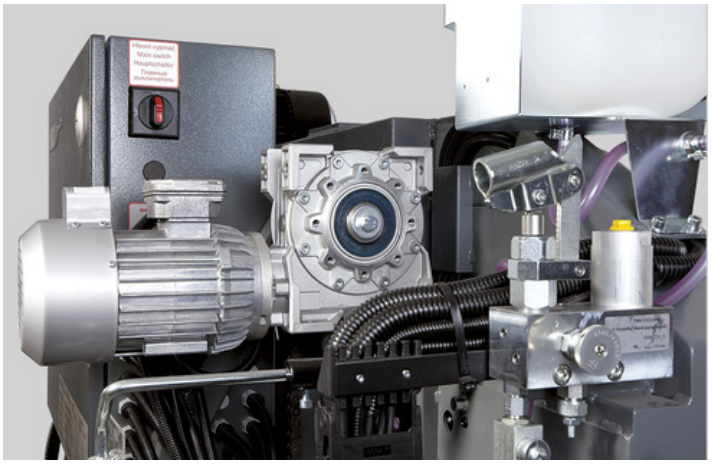
PHOTOGALLERY



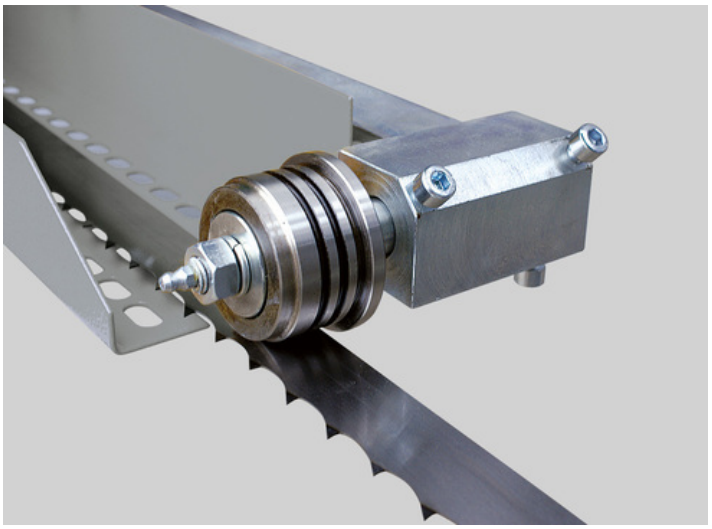


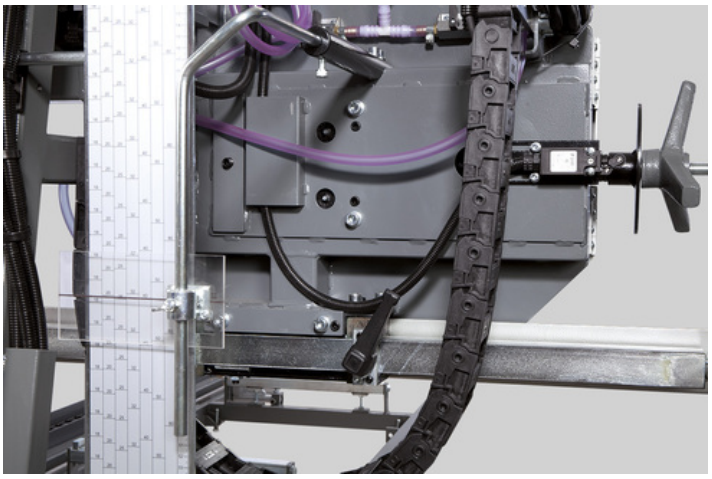


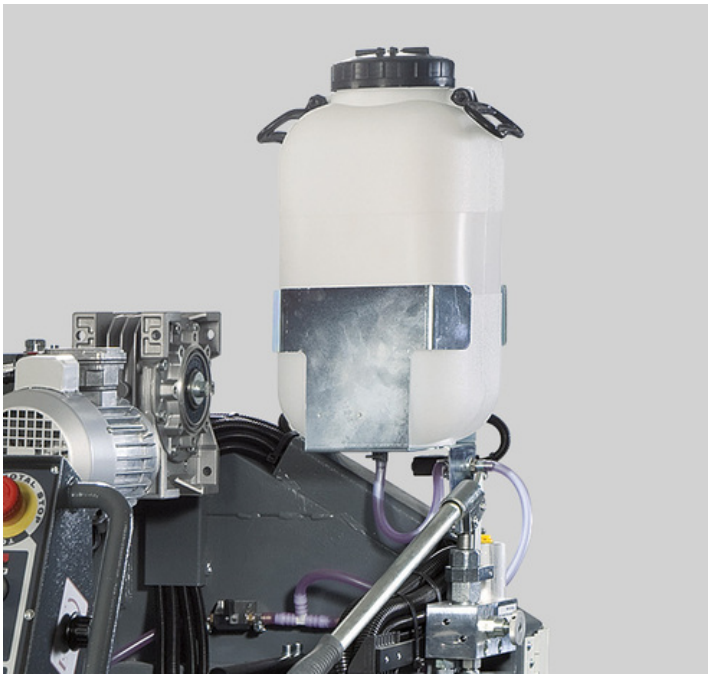


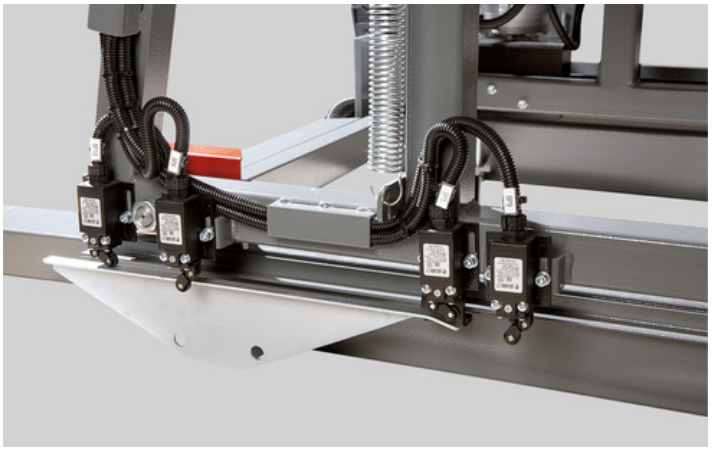



CTR
TOTAL STOP
START
STOP
m/min



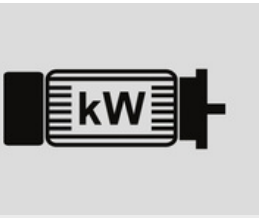






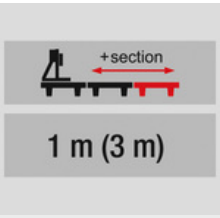
ACCESSORIES

ACCESSORIES – SPECIAL ACCESSORIES



Main motor 7,5 kW

Main motor 7,5 kW
Stronger output of motor provides faster cut, mainly with huge diameters of logs.



Track section 1 m

Track section
1 meter – basic rails only
3 meter – contain in basic: 3x cross beams, 2x angle arms.
Another variable points: 3x material clamps.

LG 100

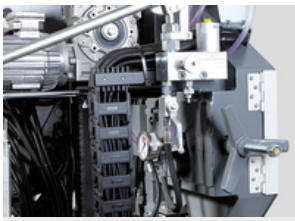
LG 100
It is intended for a quick and accurate setting of required board thickness. The movement of the band saw arm up and down is displayed with an accuracy of 0.1 mm on a colour display. The absolute height from the band saw bed or, after reset, the set board thickness including the optional kerf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

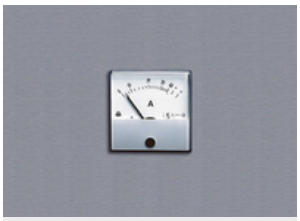
Pre-cutter

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.



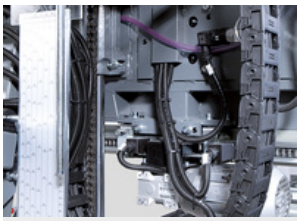
Hydraulic saw blade straining

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.

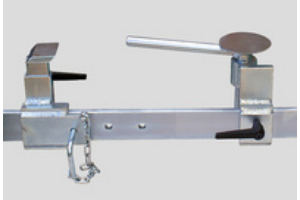


Electrically controlled bar 710

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

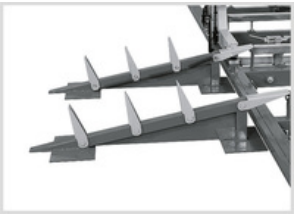
Lever for log loading

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



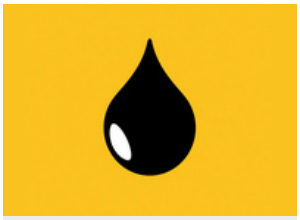
Material Clamp

Material Clamp
Consists of a rail and a front and rear clamp.



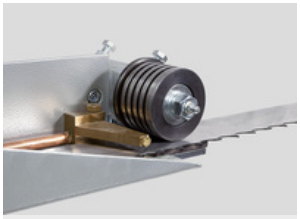
Route for feeding logs

Route for feeding logs
Provides easy and safe manipulation on machine cross beams with system of fexible stops.



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.

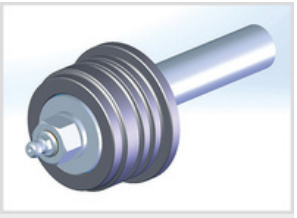
Hand Operated Grease Gun

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

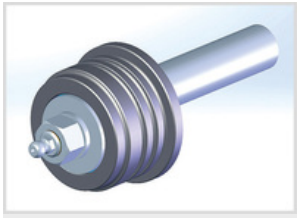
Grease LV 2-3
400g cartridge for the grease gun.

ACCESSORIES – 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 1550

Flat running wheel belt GPK 1550

BAND SAWS

MAXwood

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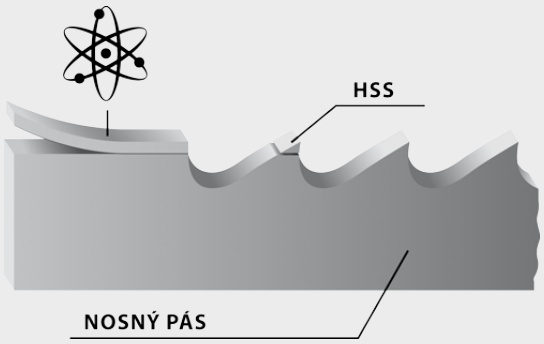

BiMetal
Saw blade with tool steel teeth - completely eliminates the need to sharpen the saw blade as well as frequent blade replacement. Use: soft, hard to extremely hard wood.

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 710 S

Max. (mm)

710 660 470 x 535

4140 x 35-41 x 0,9-1,1 mm

Max. log diameter	710 mm
Max. opening betwen blade guides	660 mm
Max. elevation of blade	630 mm
Min. log height	30 mm
Max. depth of cut	450 mm
Max. log length (standard model)	2,1 m
Length track section	1 m / 3 m
Min. log length	1 m
Saw blade motor	5,5 (7,5) kW
Horizontal feed motor	0,37 kW
Vertical feed motor	0,55 kW
Sawblade	4140 x 35÷40 x 0,9÷1,1 mm
Weight (standard model)	690 kg
Weight (track section)	25 kg / 97 kg

Nomimal current of circuit breaker is minimally 20 / 32 Ampere

DESCRIPTION

Feed into the cut and back – motor-powered
Arm height adjustment – motor-powered
Central control panel – stationary
Log handling – manual

Smaller, but truly professional saw band in all respects. Execution of main technical parts, such as the running wheels in their mounts, construction of the saw band arm, engine and feeding systems, etc., are completely identical to those in CTR 800 series or in very powerful CTR 950 Hydraulik and CTR 1000 H/40 series. Continuously adjustable machine feed into the cut and back and saw band arm height adjustment. Travel speed is displayed on the digital display. In this type of machine the central panel is stationary, placed on the beginning of a basic running gear section. This allows convenient control of the machine from a single location.

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. End positions are secured against impact by means of limit switches with automatic deceleration and stopping.

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.

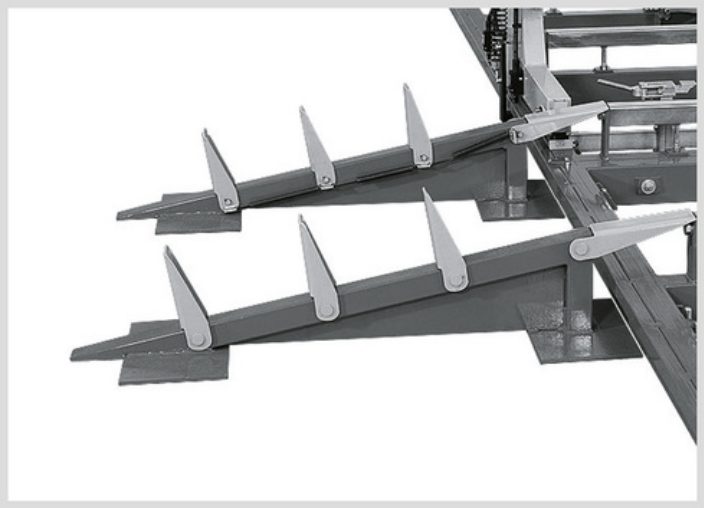
The arm is fitted with running wheels made of high-quality grey cast iron with accurate balancing against vibrations. The wheel has a groove along its circumference. The groove holds a replaceable rubber-textile belt which creates an optimum contact area between the wheel and the saw band.

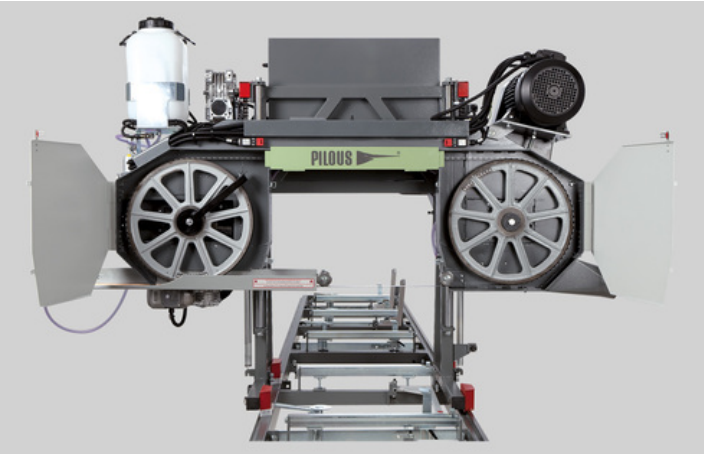
The sturdily mounted running wheel is powered through a wedge belt by a professional electrical motor specially balanced against vibrations.

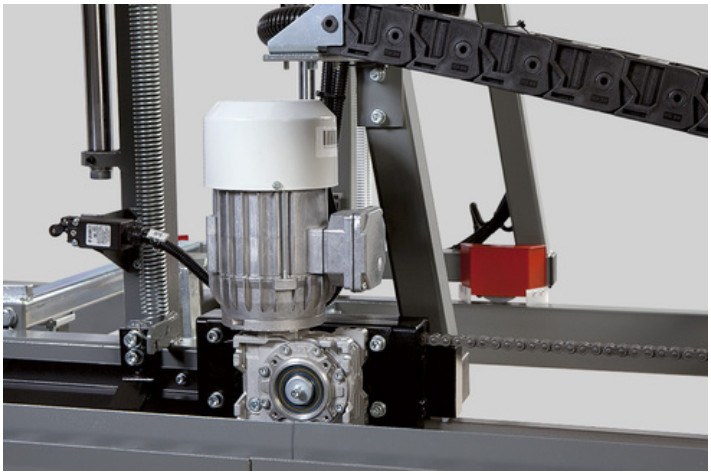
The tensioning wheel system moves along a sturdy cast iron wedge guide with adjustable pressure bar, which allows highly accurate adjustment without any free travel even in long-term machine operation.

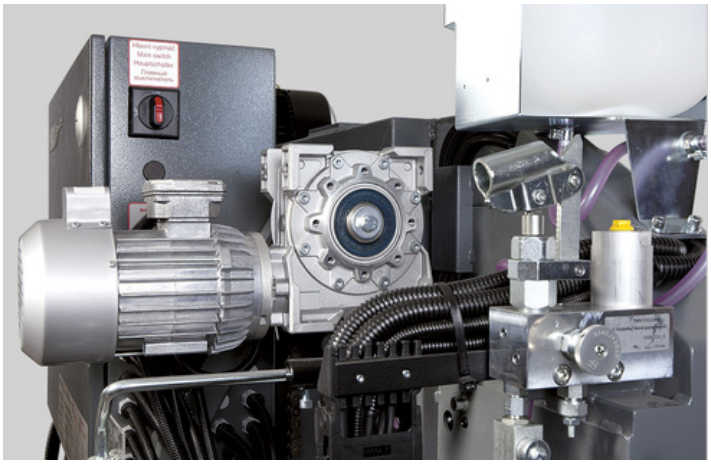
CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs. The machines are designed in an original modular execution which allows easy replacement or adjustment of all main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

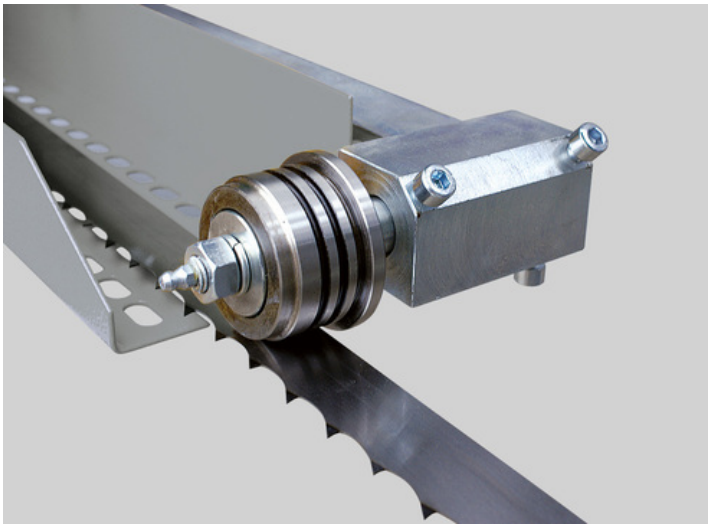


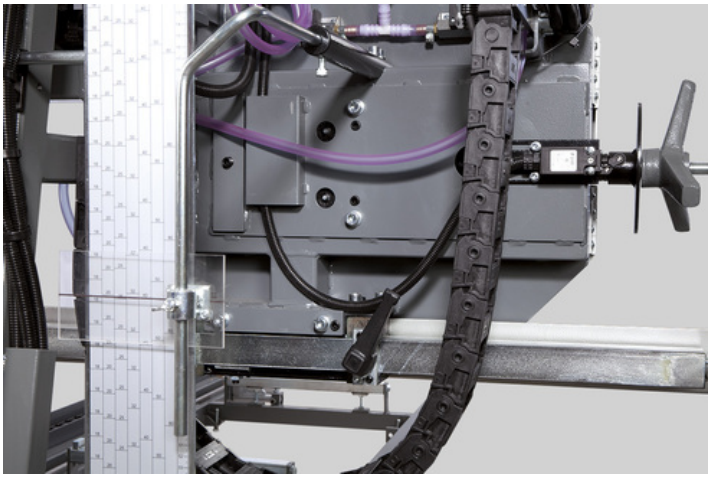


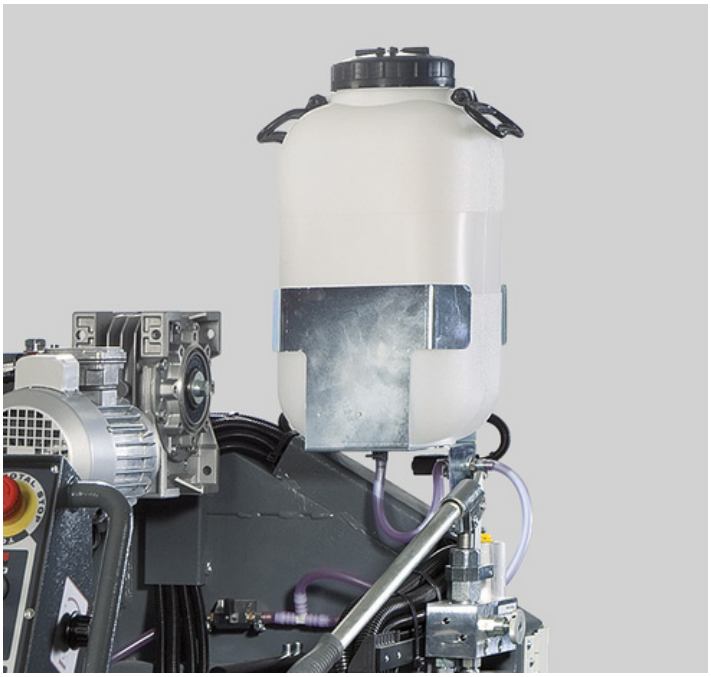


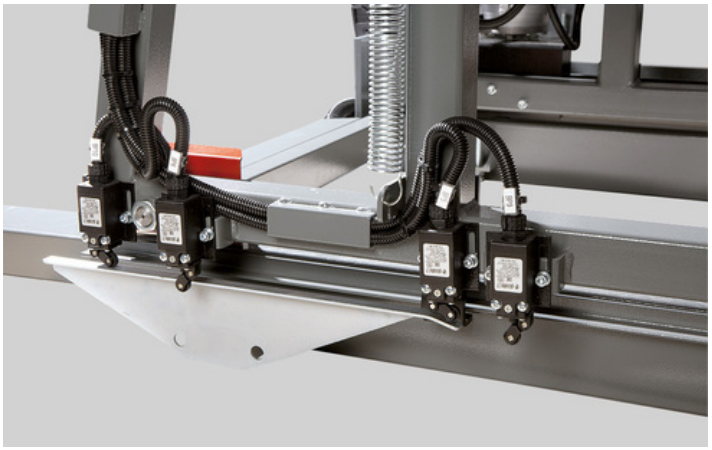



CTR



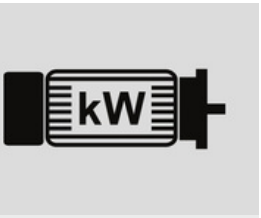






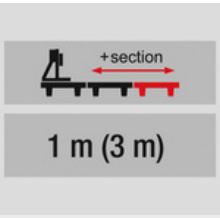
ACCESSORIES

ACCESSORIES – SPECIAL ACCESSORIES



Main motor 7,5 kW

Main motor 7,5 kW
Stronger output of motor provides faster cut, mainly with huge diameters of logs.



Track section 1 m

Track section
1 meter – basic rails only
3 meter – contain in basic: 3x cross beams, 2x angle arms.
Another variable points: 3x material clamps.

LG 100

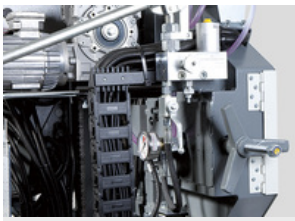
LG 100
It is intended for a quick and accurate setting of required board thickness. The movement of the band saw arm up and down is displayed with an accuracy of 0.1 mm on a colour display. The absolute height from the band saw bed or, after reset, the set board thickness including the optional kerf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

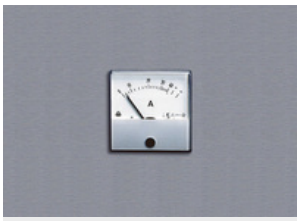
Pre-cutter

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.



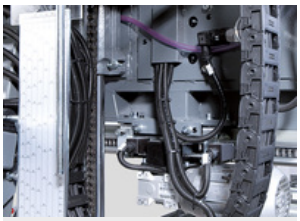
Hydraulic saw blade straining

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.

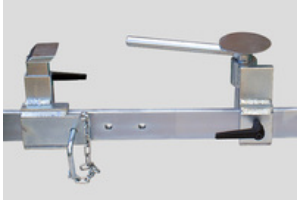


Electrically controlled bar 710

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

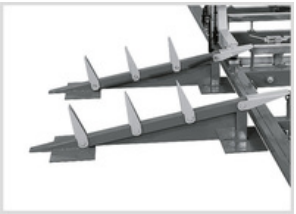
Lever for log loading

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



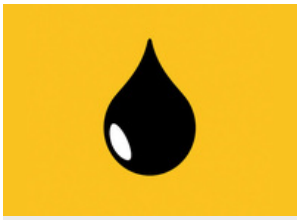
Material Clamp

Material Clamp
Consists of a rail and a front and rear clamp.



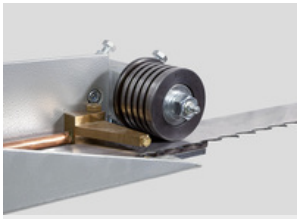
Route for feeding logs

Route for feeding logs
Provides easy and safe manipulation on machine cross beams with system of fexible stops.



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.

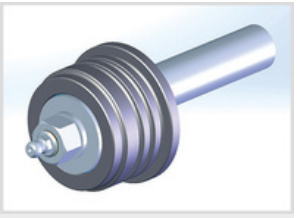
Hand Operated Grease Gun

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

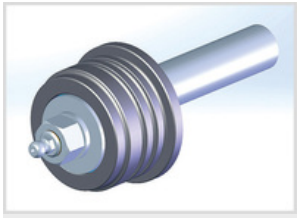
Grease LV 2-3
400g cartridge for the grease gun.

ACCESSORIES – 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.

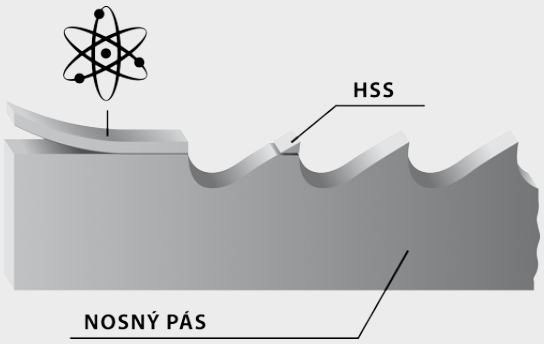
Flat Running Wheel Belt GPK 1550

Flat running wheel belt GPK 1550

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
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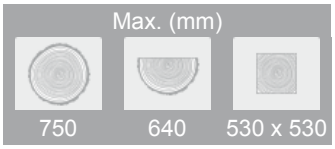
*e-mail: **wood@pilous.cz**, **www.pilous.cz***

CTR 750 E



Max. log diameter	750 mm
Max. opening betwen blade guides	640 mm
Max. elevation of blade	660 mm
Min. log height	25 mm
Max. depth of cut	255 mm
Max. log length (standard model)	3,45 m
Length track section	2,25 m
Min. log length	0,75 m
Saw blade motor	5,5 kW
Horizontal feed motor	0,18 kW
Max. feed speed (forw/back)	15 m/min.
Sawblade	4140 x 34 x 1,1 mm
Weight (standard model)	460 kg
Weight (track section)	96 kg

Nomimal current of circuit breaker is minimally 16 Ampere

DESCRIPTION

Feed into the cut and back – motor-powered
Arm height adjustment – manual
Control panel – on a mobile bridge
Log handling – manual

The bigger and stronger version of the popular CTR 550 allows for processing of logs up to 75 cm in diameter. It also uses a bimetallic metal-cutting saw bands, but it is one size bigger. While the size of the bimetallic saw band in CTR 550 is 27 x 0.9 mm, the size of the band in CTR 750 is 34 x 1.1 mm which, combined with a powerful 5.5 kW engine can deal with logs of large diameters.

Unlike CTR 750, this model is equipped with mechanical feed into the cut and back with continuous speed control. That greatly increases comfort of the operator and the overall productivity. The feed 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. End positions are secured against impact by means of automatic deceleration and stopping.

The control panel is placed on a mobile bridge of the saw band arm. Thanks to that the operator has closer access to the workpiece when cutting. Height is adjusted using a hand crank with adjustable scale.

Use of a bimetallic saw band which is normally used in metal band saws brings following advantages:

• very simple operation
• single saw band cuts all types of wood without tooth adjustment (sharpening, tooth setting)
• elimination of tedious, technically challenging sharpening and setting of teeth
• you can immediately start cutting wood in professional quality without any necessary experience
• bimetallic saw band easily cuts metal materials in the log such as nails, shrapnel or bullets
• professional three-side hardmetal saw band guidance in guiding heads and robust support of all rotary parts ensure high cutting accuracy and long service life of the saw band
• maximum accuracy, like in professional machines
• no need to purchase tooth sharpener and tooth setting machine
• easy accessibility and low cost of bimetallic saw bands

Powerful 5.5 kW engine ensures full power during fully professional cutting, cutting of high-quality round timber or when cutting very hard materials. Instead of bimetallic metal-cutting band sized 34 x 1.1 mm you can use a special bimetallic wood-cutting band sized 35 x 0.9 mm which (same as the bimetallic metal-cutting band) does not require sharpening and setting of teeth. You can also fit your machine with standard saw-cutting bands (35 x 0.9 mm) identical to those used in higher professional models CTR 710, 800 and 950. Larger teeth in these saw bands allow for increase of productivity when cutting large diameter logs. However, in the above mentioned saw bands it is necessary to sharpen and set the teeth regularly.

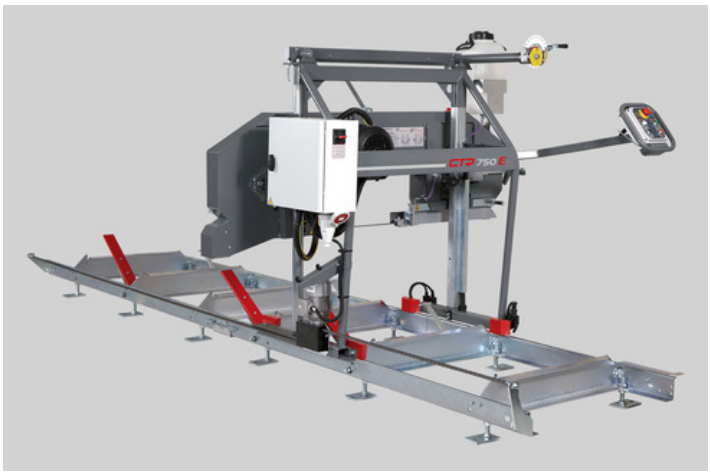
The arm is fitted with large aluminium running wheels with accurate balancing against vibrations. The wheel has a groove along its circumference. The groove holds a replaceable rubber-textile belt which creates an optimum contact area between the wheel and the saw band.

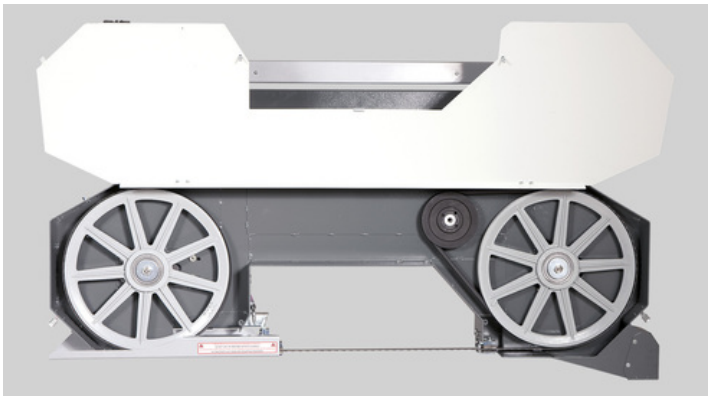
The sturdily mounted running wheel is powered through a wedge belt by a professional electrical motor speciallybalanced against vibrations.

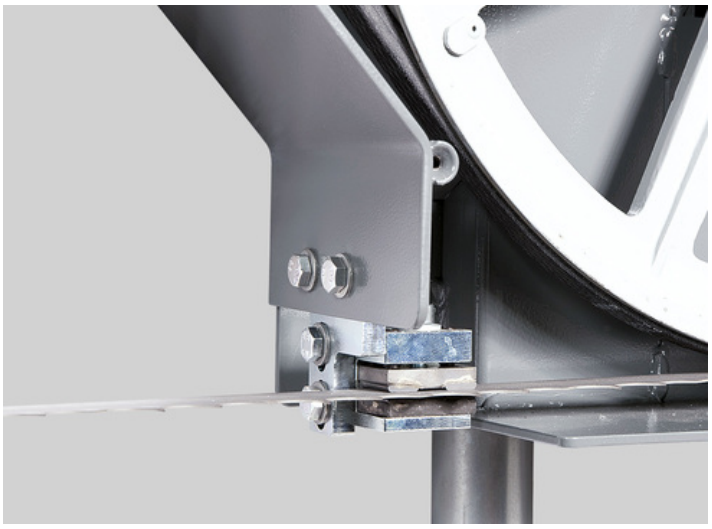
The tensioning wheel system moves within a solid cast iron guiding, which ensures long-term service life and setting accuracy even in long-term machine operation.

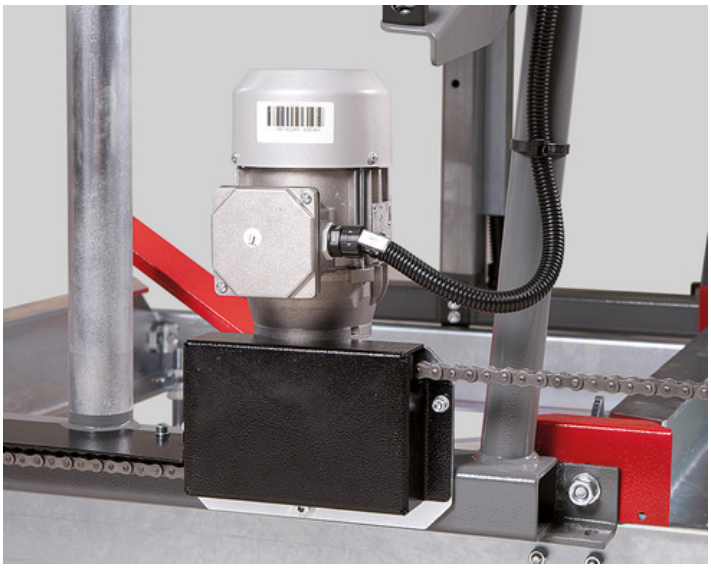
CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs. The machines are designed in an original modular execution which allows easy replacement or adjustment of all main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

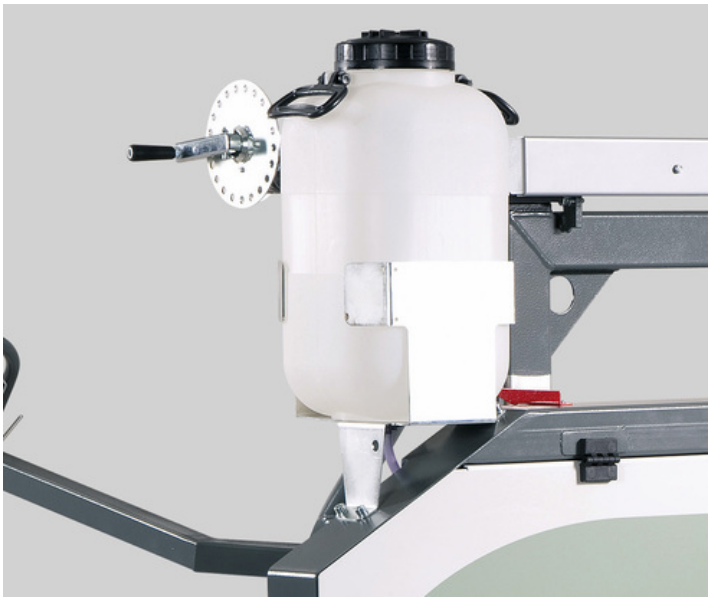








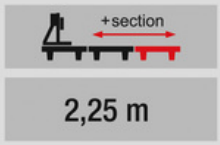

TOTAL STOP
START
STOP




PIOUS
CTR 750
FORESTOR

ACCESSORIES

ACCESSORIES – SPECIAL ACCESSORIES



Track section 2,25 m

Track section 2,25 m
Contain in basic: 3x cross beams, 1x angle arms, 1x material clamp
Variable points: 1x angle arm, 1x material clamp

Lever for log loading

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

Material clamp with variable square

Material clamp with variable square

Additional clamp arm

Additional clamp arm

Excentrický upínač

Eccentric clamp arm
For fast and easy log clamping.

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 – CONSUMABLE PARTS

Hard-metal Plate 2 x 25 x 0,9 mm

Hard-metal plate 2 x 25 x 0,9 mm

Hard-metal Plate 12 x 4 mm

Hard-metal plate 12 x 4 mm

Running Wheel Wedge Belt SPB 1850 Wheel Wedge Belt 17x1560 Lw

Running wheel wedge belt SPB 1850
Wheel wedge belt B 17x1560 Lw

BAND SAWS

MAXwood

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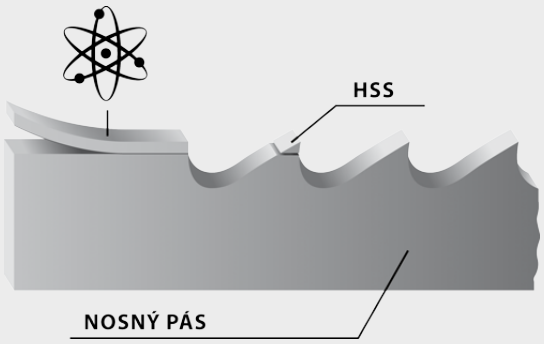

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Be careful when unpacking welded saw blades. They are in a shipping container in tensioned condition. Remove the saw blade cover only after fitting it onto the machine.

OFFER LIST

Pilous
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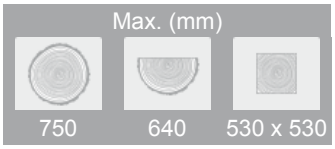
*e-mail: **wood@pilous.cz**, **www.pilous.cz***

CTR 750 EV



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Max. opening betwen blade guides	640 mm
Max. elevation of blade	660 mm
Min. log height	25 mm
Max. depth of cut	255 mm
Max. log length (standard model)	3,45 m
Length track section	2,25 m
Min. log length	0,75 m
Saw blade motor	5,5 kW
Horizontal/vertical feed motor	0,18/0,37 kW
Max. feed speed (forw/back)	15 m/min.
Sawblade	4140 x 34 x 1,1 mm
Weight (standard model)	475 kg
Weight (track section)	96 kg

Nomimal current of circuit breaker is minimally 16 Ampere

DESCRIPTION

Feed into the cut and back – motor-powered
Arm height adjustment – motor-powered
Control panel – on a mobile bridge
Log handling – manual

The bigger and stronger version of the popular CTR 550 allows for processing of logs up to 75 cm in diameter. It also uses a bimetallic metal-cutting saw bands, but it is one size bigger. While the size of the bimetallic saw band in CTR 550 is 27 x 0.9 mm, the size of the band in CTR 750 is 34 x 1.1 mm, which, combined with a powerful 5.5 kW engine, can deal with logs of large diameters.

Compared to CTR 750 E with mechanical feed into cut and back this model is equipped with a motor-powered saw band arm height setting in order to achieve the highest possible productivity. Automatic feed into the desired cut thickness occurs after you set it up on a colour touchscreen.

Saw band arm height adjustment is facilitated by a chain gear powered by a worm-gear fitted, frequency converter-controlled electric motor. You can simply set up the desired cut thickness along with optional setting of a required material kerf coefficient on the touchscreen. Frequency converter-controlled arm movement with a slow-down at the end positions ensures accurate feed into required values.

The feed into the cut and back is driven by an electric motor with a worm gearbox controlled by a frequency converter. You can change the speed of travel simply by turning the potentiometer on the control panel. End positions are secured against impact by means of automatic deceleration and stopping. This greatly increases operator's comfort, prevents human factor related errors during manual settings and increases the overall productivity.

The control panel is placed on a mobile bridge of the saw band arm. Thanks to that the operator has closer access to the workpiece when cutting.

The touchscreen with a PLC control unit allows selection and displays following functions:

• display the current position of the saw band from the bottom, default position.
• set up the desired cut thickness
• set up the saw band kerf
• automatic feed into desired position
• if you input the cut thickness and kerf the display shows number of work-pieces that can be cut off from the material
• during horizontal movement, i.e. cutting and backward motion, the display shows the current speed in m/min.

Use of a bimetallic saw band which is normally used in metal band saws brings following advantages:

• very simple operation
• single saw band cuts all types of wood without tooth adjustment (sharpening, tooth setting)
• elimination of tedious, technically challenging sharpening and setting of teeth
• you can immediately start cutting wood in professional quality without any necessary experience
• bimetallic saw band easily cuts metal materials in the log such as nails, shrapnel or bullets...
• professional three-side hardmetal saw band guidance in guiding heads and robust support of all rotary parts ensure high cutting accuracy and long service life of the saw band
• maximum accuracy, like in professional machines
• no need to purchase tooth sharpener and tooth setting machine
• easy accessibility and low cost of bimetallic saw bands

A powerful 5.5 kW engine ensures full power both during fully professional cutting and when cutting high-quality round timber or when cutting very hard materials. Instead of bimetallic metal-cutting band sized 34 x 1.1 mm you can use

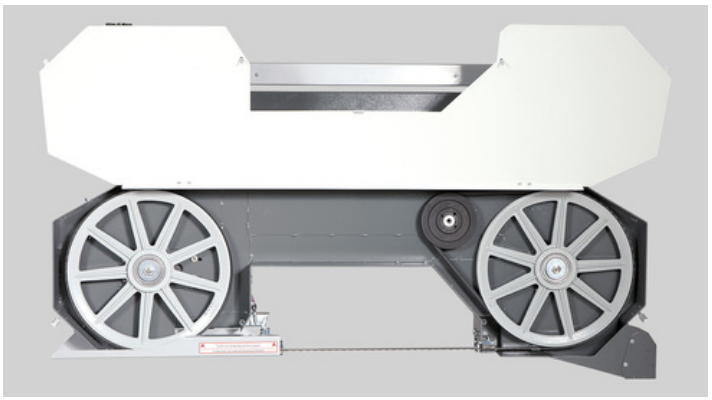
a special bimetallic wood-cutting band sized 35 x 0.9 mm which (same as the bimetallic metal-cutting band) does not require sharpening and setting of teeth. You can also fit your machine with standard saw-cutting bands (35 x 0.9 mm) identical to those used in higher professional models CTR 710, 800, 950 and 1000. Larger teeth in these saw bands allow for increase of productivity when cutting large diameter logs. However, in the above mentioned saw bands it is necessary to sharpen and set the teeth regularly.

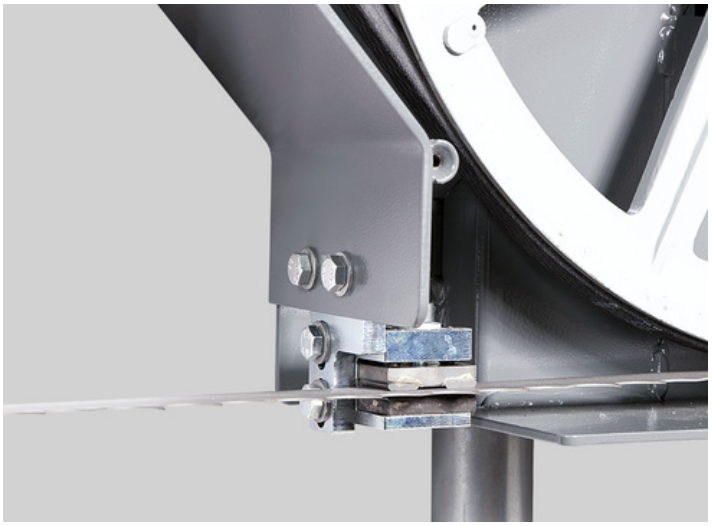
The arm is fitted with large aluminium running wheels with accurate balancing against vibrations. The wheel has a groove along its circumference. The groove holds a replaceable rubber-textile belt that creates an optimum contact area between the wheel and the saw band.

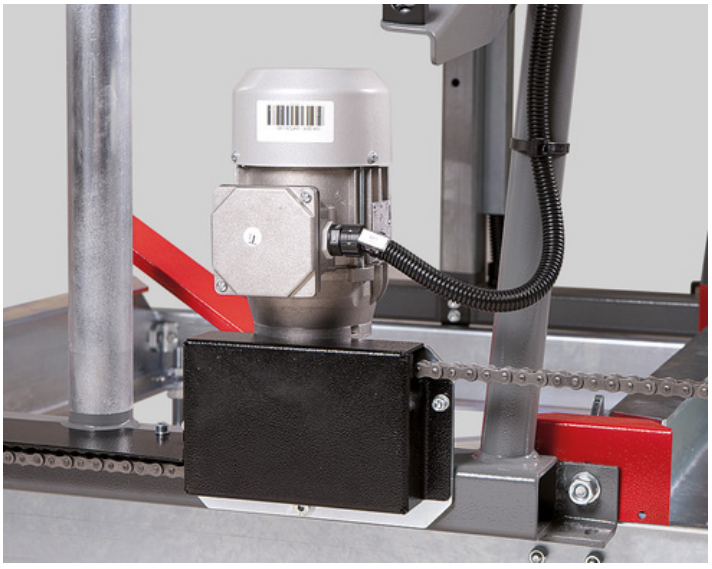
A sturdily mounted running wheel is powered through a wedge belt by a professional electrical motor specially balanced against vibrations. The tensioning wheel system moves within a solid cast iron guiding, which ensures long-term service life and setting accuracy even in long-term machine operation.

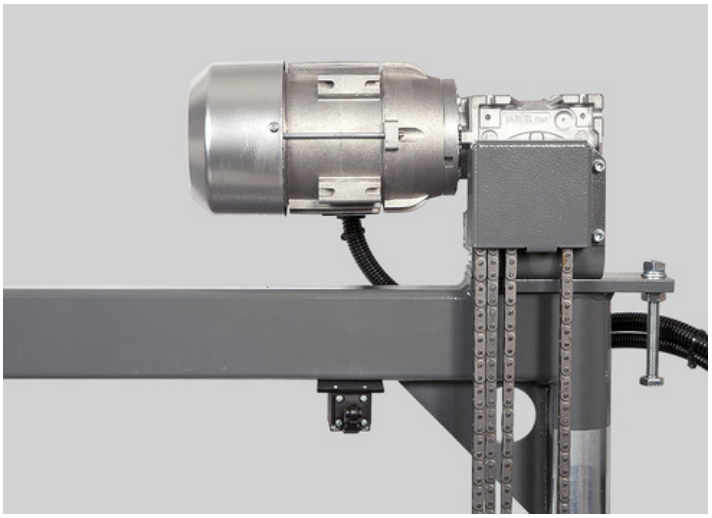
CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs. The machines are designed in an original modular execution which allows easy replacement or adjustment of all main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

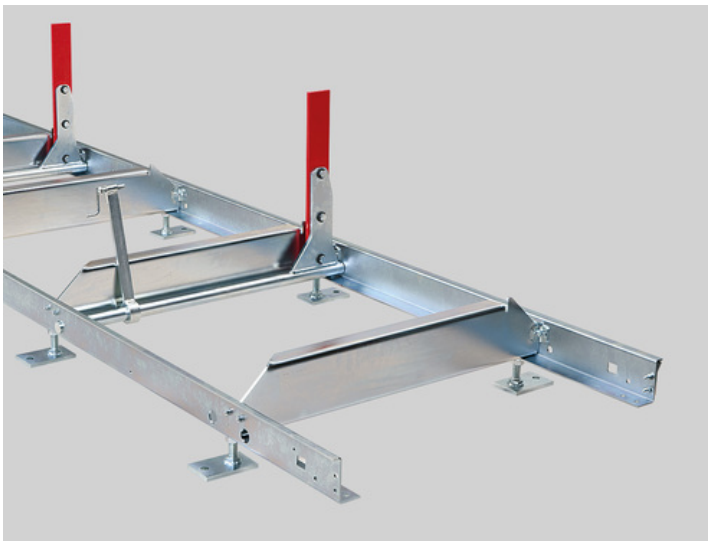








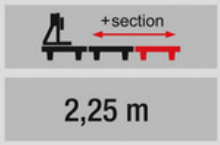

START
STOP




PLUUS
CTR 750
FORESTOR
technology

ACCESSORIES

ACCESSORIES – SPECIAL ACCESSORIES



Track section 2,25 m

Track section 2,25 m
Contain in basic: 3x cross beams, 1x angle arms, 1x material clamp
Variable points: 1x angle arm, 1x material clamp

Lever for log loading

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

Material clamp with variable square

Material clamp with variable square

Additional clamp arm

Additional clamp arm

Excentrický upínač

Eccentric clamp arm
For fast and easy log clamping.

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 – CONSUMABLE PARTS

Hard-metal Plate 2 x 25 x 0,9 mm

Hard-metal plate 2 x 25 x 0,9 mm

Hard-metal Plate 12 x 4 mm

Hard-metal plate 12 x 4 mm

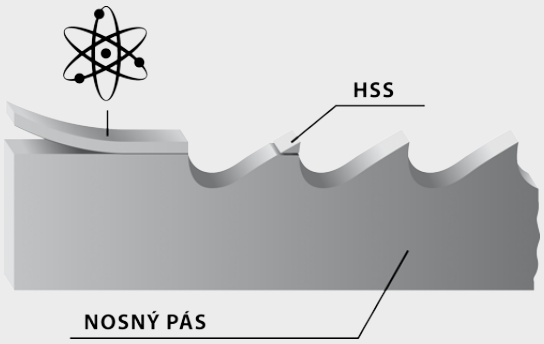
Running Wheel Wedge Belt SPB 1850 Wheel Wedge Belt 17x1560 Lw

Running wheel wedge belt SPB 1850
Wheel wedge belt B 17x1560 Lw

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 800

Max. log diameter	830 mm
Max. opening betwen blade guides	750 mm
Max. elevation of blade	685 mm
Min. log height	30 mm
Max. depth of cut	450 mm
Max. log lenght (standard model)	1,8 m
Lenght track section	3 m
Min. log lenght	1 m
Saw blade motor	7,5 (11) kW
Horizontal feed motor	0,55 kW
Vertical feed motor	0,55 kW
Sawblade	4380 x 35÷40 x 0,9÷1,1 mm
Weight (standard model)	750 kg
Weight (track section)	131 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 – on a mobile bridge
Log handling – manual (hydraulic)

Innovative version of the extremely succesful 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. Universal log band saw which is, with its maximum cutting diameter of 83cm, suitable for most lumber.

A wide, exceptionally massive running bridge of the band saw 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 to the cut and back and band saw arm height adjustment. Travel speed is displayed on the digital display. In this version of the machine, the control panel is placed on a mobile bridge of the band saw arm. Thanks to that the operator has closer access to the workpiece when cutting.

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. End positions are secured against impact by means of limit switches with automatic deceleration and stopping.

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 play 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.

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.

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. Running gear sections are fitted with massive, height-adjustable log-bearing surfaces and adjustable retractable angles and log clamps.

The basic version of the machine includes 3 workpiece clamps and 2 angular steady bars.

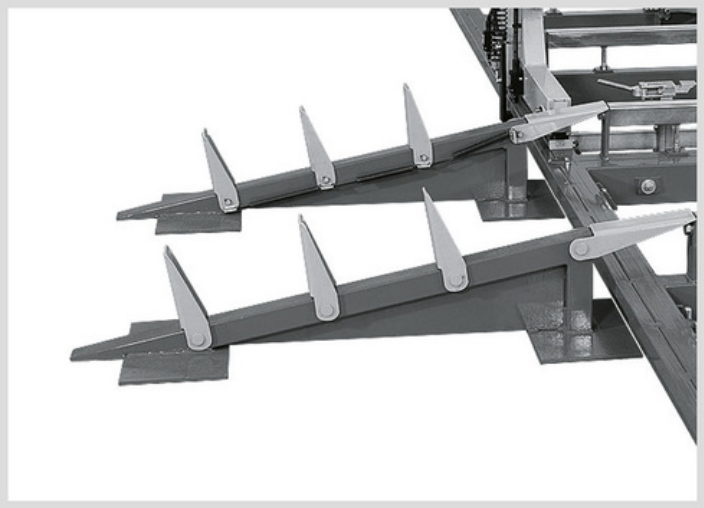
Gravity cooling and lubricating of the band with adjustable outlets in both guide pulleys ensure that the saw band is in optimum condition during cutting.

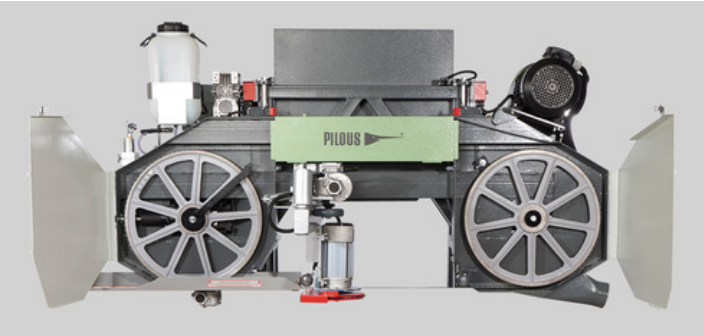
CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs.

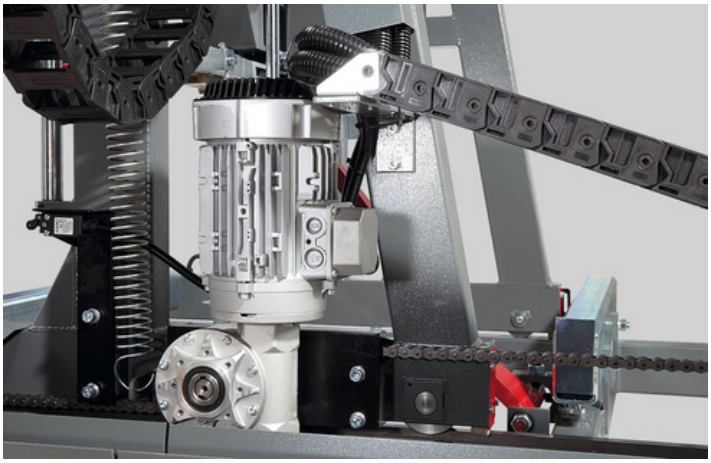
The machines are designed in an original modular execution which allows easy replacement or adjustment of all main technical sections and their individual parts. This in the long-term perspective reduces the maintenance costs and service times and therefore production stoppages as well.

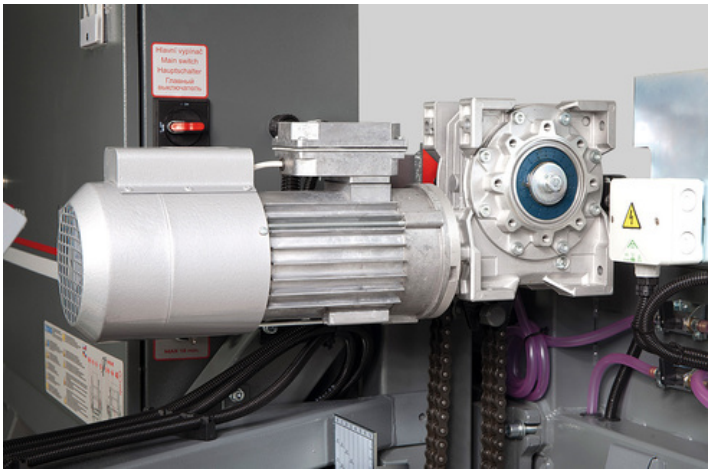
Accessories – there is a wide range of accessories to all of these machines; they simplify and accelerate machine operation and influence its production. Our original modular system allows additional installation of necessary equipment at any time, because all basic versions of machines include all fitting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

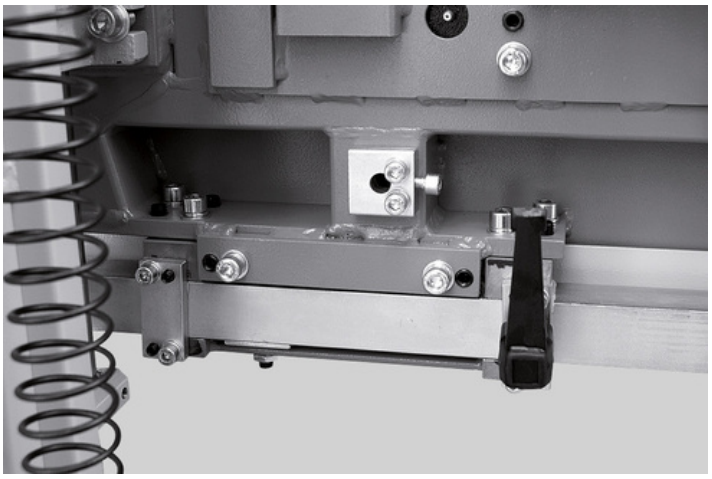
PHOTOGALLERY

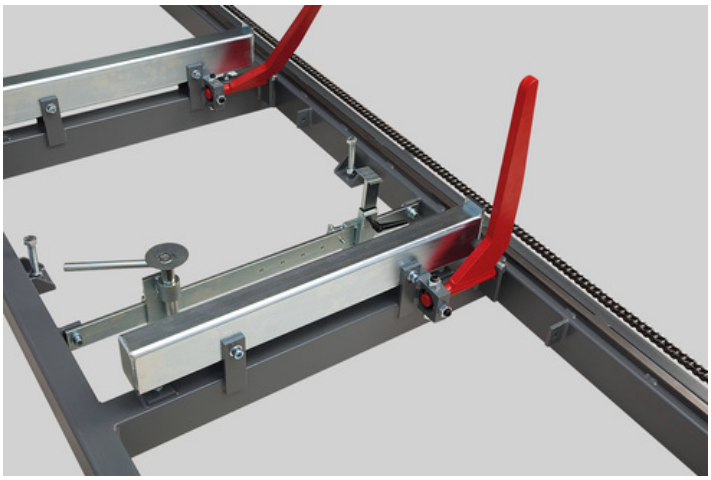


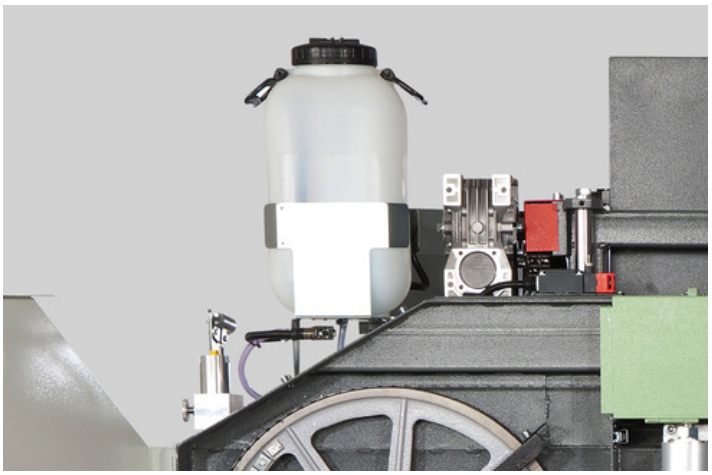


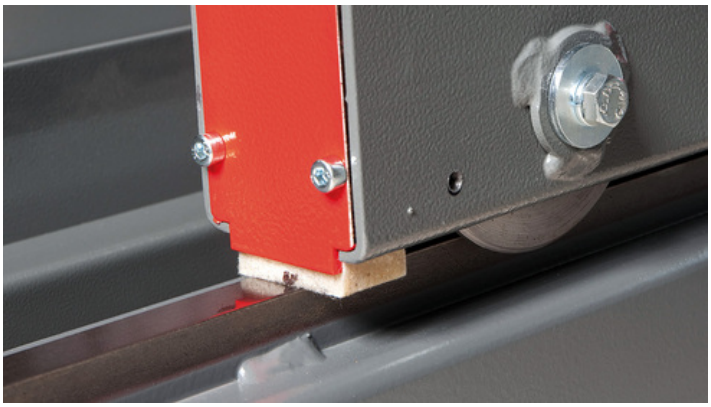


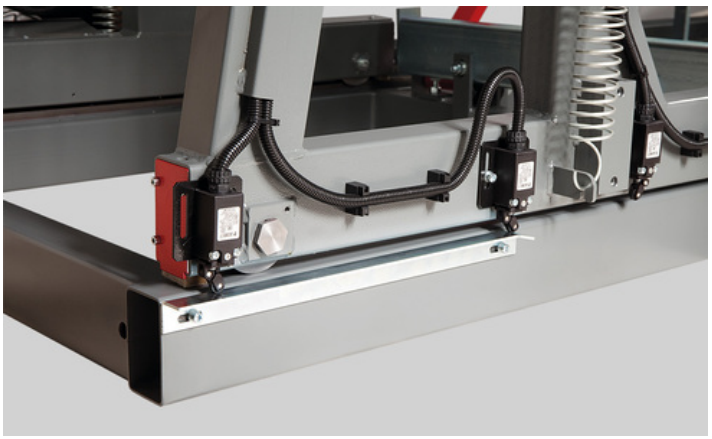






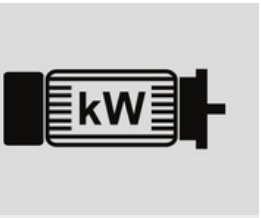






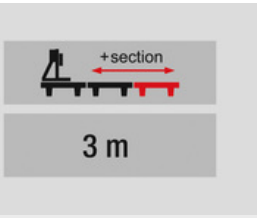
ACCESSORIES

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

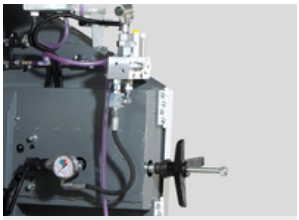
LG 100
It is intended for a quick and accurate setting of required board thickness. The movement of the band saw arm up and down is displayed with an accuracy of 0.1 mm on a colour display. The absolute height from the band saw bed or, after reset, the set board thickness including the optional kerf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

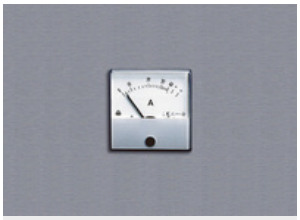
Pre-cutter / 800

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.

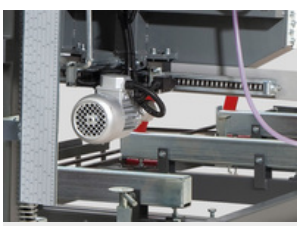


Ammeter

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.

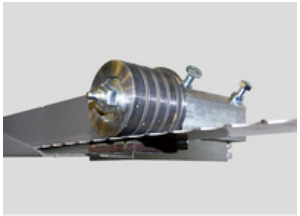


Electrically controlled bar / 800

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

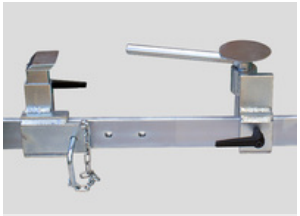
Lever for log loading

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



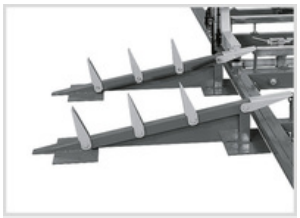
Hard-metal saw band guidance 710 / 800

Hard-metal saw band guidance
It is located on the moving rail before the cut. It significantly improves saw band stability in the cut and also in its cleaning. Therefore it increases the machine productivity and cutting accuracy. This machine can be installed on an electrically controlled rail.



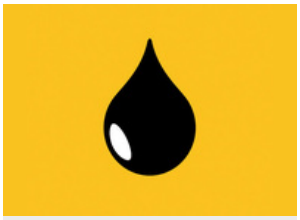
Material Clamp

Material Clamp
Consists of a rail and a front and rear clamp.



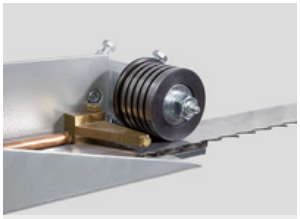
Route for feeding logs

Route for feeding logs
Provides easy and safe manipulation on machine cross beams with system of fexible stops.



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)

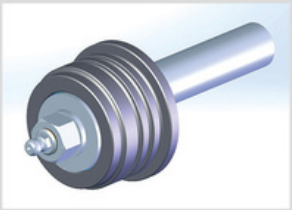
LED lighting (11 W)
Good quality lightening of the workspace using two powerful LED strips mounted on a movable bridge.

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.

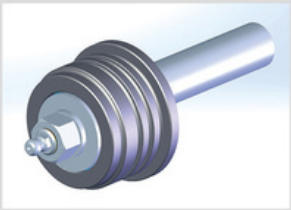
Grease LV 2-3

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



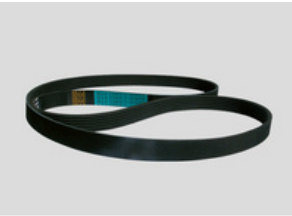
Saw Band Guide Pulley VK 35

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

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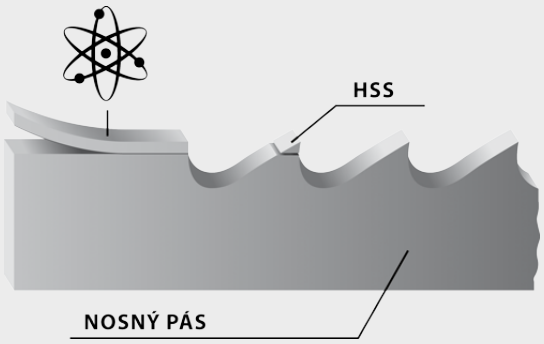
• The foundation of all saw blades are top-quality German materials and precise workmanship. The quality of the saw blades is carefully monitored. All saw blades correspond to the strict ISO 9001 norm.
• We have added to our portfolio also an original Munkfors saw blade made by the world`s leading manufacturer 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.



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Bearing blade

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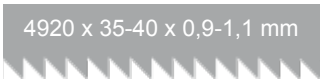
Carbon spring steel
The most common saw blade for optimum price/performance ratio. Use: soft and hard wood.

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 800 S



Max. log diameter	830 mm
Max. opening betwen blade guides	750 mm
Max. elevation of blade	685 mm
Min. log height	30 mm
Max. depth of cut	450 mm
Max. log length (standard model)	1,8 m
Length track section	3 m
Min. log length	1 m
Saw blade motor	7,5 (11) kW
Horizontal feed motor	0,55 kW
Vertical feed motor	0,55 kW
Sawblade	4380 x 35÷40 x 0,9÷1,1 mm
Weight (standard model)	760 kg
Weight (track section)	131 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 – manual

Innovative version of the extremely succesful 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.

Universal log band saw which is, with its maximum cutting diameter of 83cm, suitable for most lumber. A wide, exceptionally massive running bridge of the band saw 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 to the cut and back and band saw arm height adjustment. Travel speed is displayed on the digital display. In contrast to CTR 800, the central control panel on this machine is stationary and it’s placed on the main running section. This allows convenient control of the machine from a single location. For the backwards movement after the cut is finished (to the default position at the operator) the machine is provided with a rapid feed and automatic deceleration and stopping in end positions.

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 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.

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.

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. Running gear sections are fitted with massive, height-adjustable log-bearing surfaces and adjustable retractable angles and log clamps. The basic version of the machine includes 3 workpiece clamps and 2 angular steady bars.

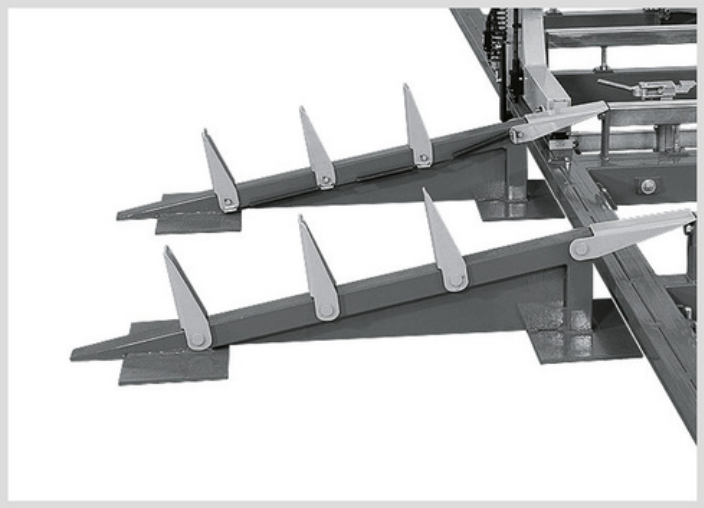
Gravity cooling and lubricating of the band with adjustable outlets in both guide pulleys ensure that the saw band is in optimum condition during cutting.

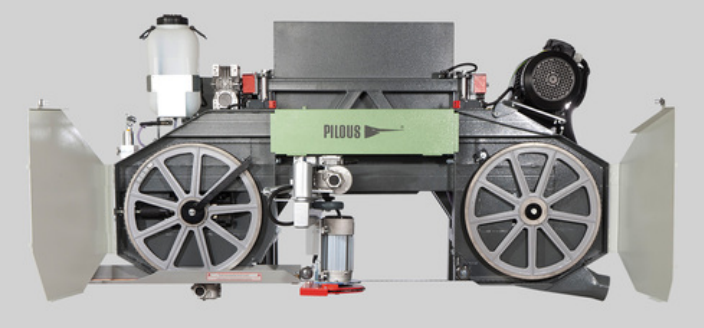
CTR series present the latest trends in construction of log saw bands with a special emphasis on maximum accuracy and long-term service life of the machine while ensuring minimum costs.

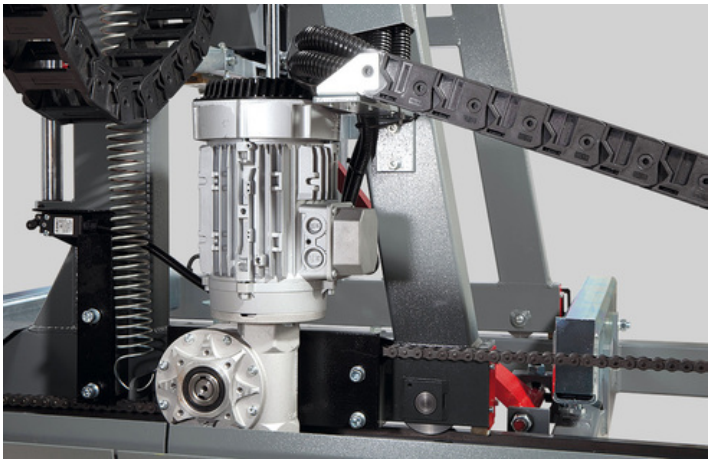
The machines are designed in an original modular execution which allows easy replacement or adjustment of all main technical sections and their individual parts. This in the long-term perspective reduces the maintenance costs and service times and therefore production stoppages as well.

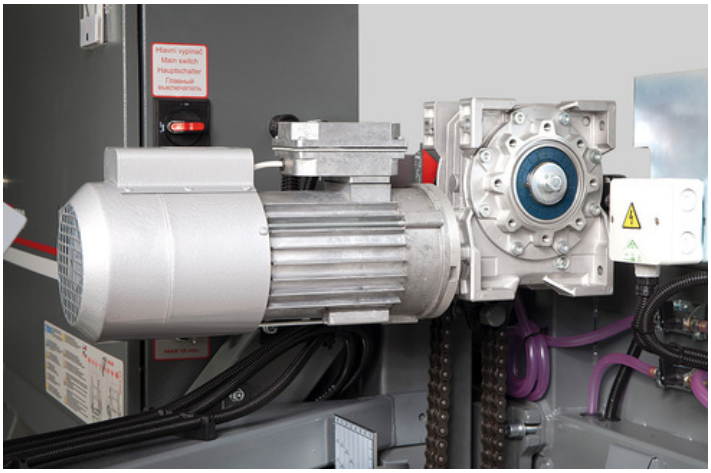
Accessories – there is a wide range of accessories to all of these machines; they simplify and accelerate machine operation and influence its production. Our original modular system allows additional installation of necessary equipment at any time, because all basic versions of machines include all fitting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

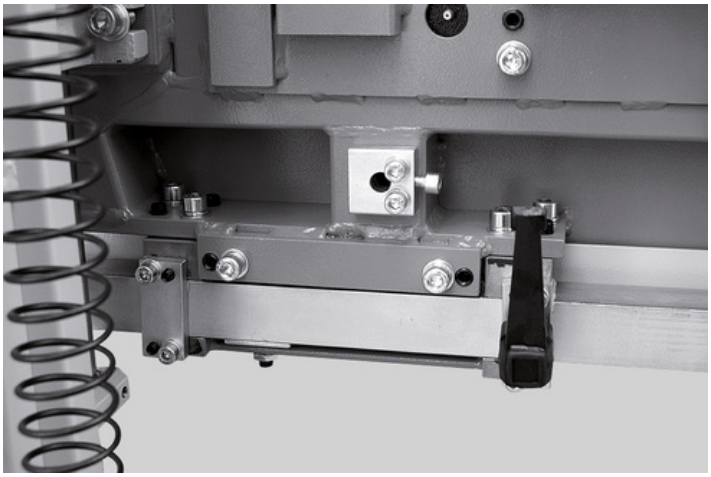
PHOTOGALLERY

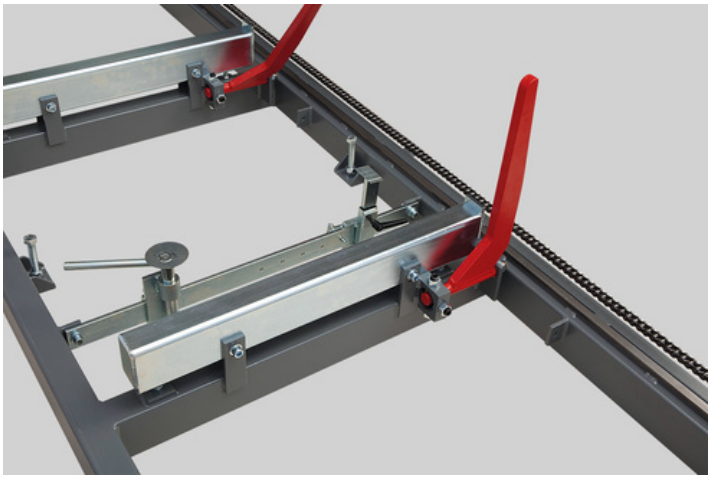


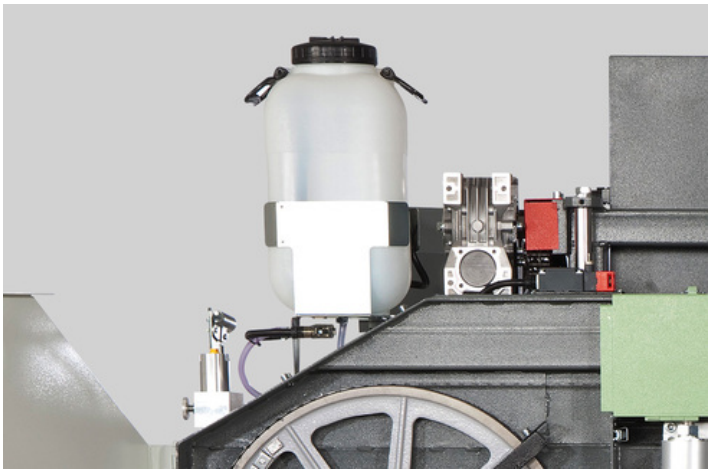


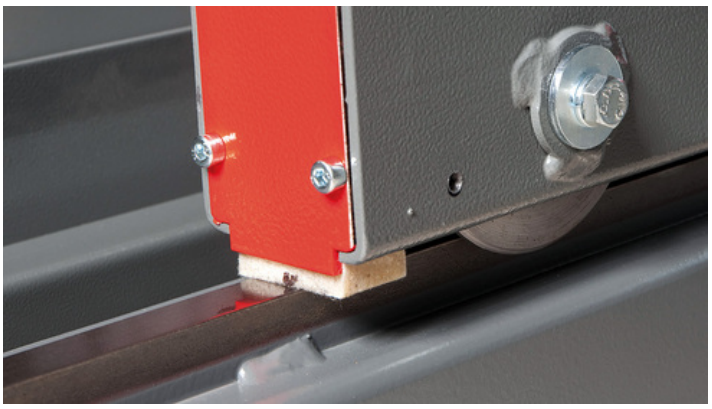


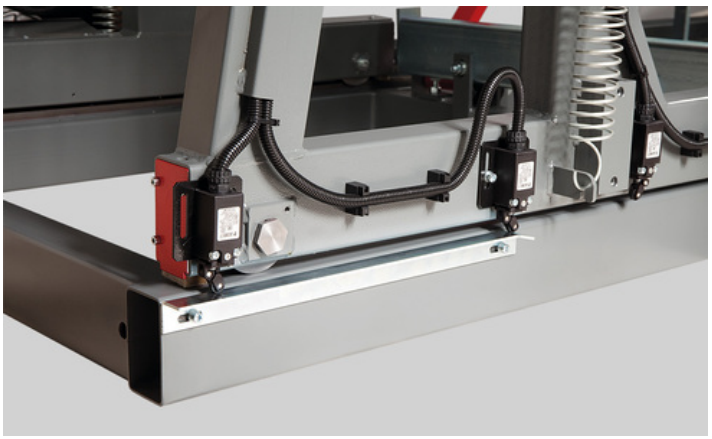






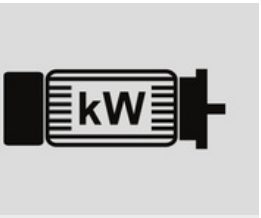






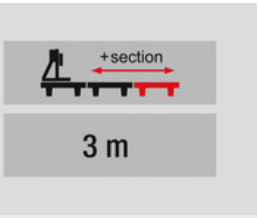
ACCESSORIES

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

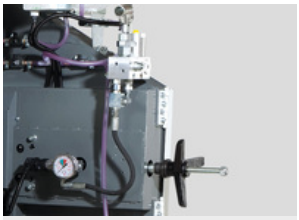
LG 100
It is intended for a quick and accurate setting of required board thickness. The movement of the band saw arm up and down is displayed with an accuracy of 0.1 mm on a colour display. The absolute height from the band saw bed or, after reset, the set board thickness including the optional kerf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

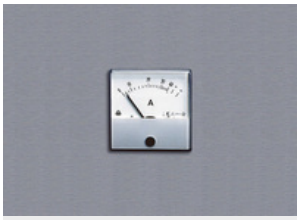
Pre-cutter / 800

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.

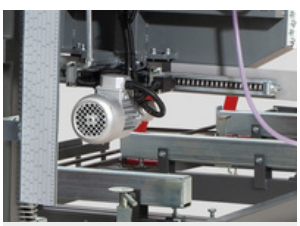


Ammeter

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.

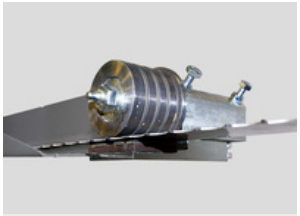


Electrically controlled bar / 800

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

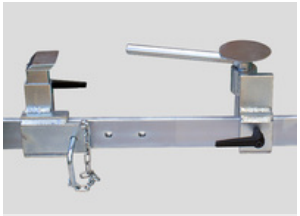
Lever for log loading

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



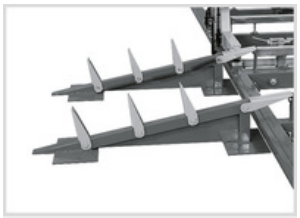
Hard-metal saw band guidance 710 / 800

Hard-metal saw band guidance
It is located on the moving rail before the cut. It significantly improves saw band stability in the cut and also in its cleaning. Therefore it increases the machine productivity and cutting accuracy. This machine can be installed on an electrically controlled rail.



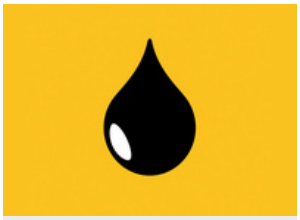
Material Clamp

Material Clamp
Consists of a rail and a front and rear clamp.



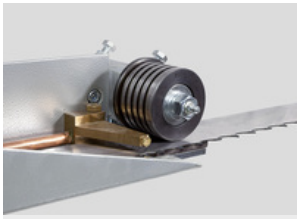
Route for feeding logs

Route for feeding logs
Provides easy and safe manipulation on machine cross beams with system of fexible stops.



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)

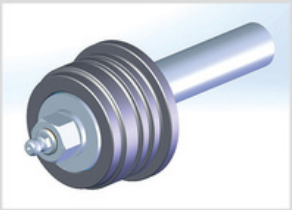
LED lighting (11 W)
Good quality lightening of the workspace using two powerful LED strips mounted on a movable bridge.

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.

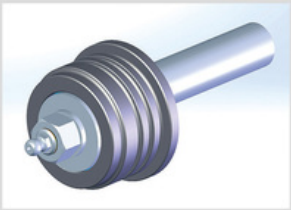
Grease LV 2-3

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



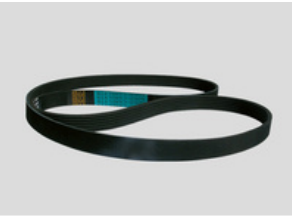
Saw Band Guide Pulley VK 35

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.



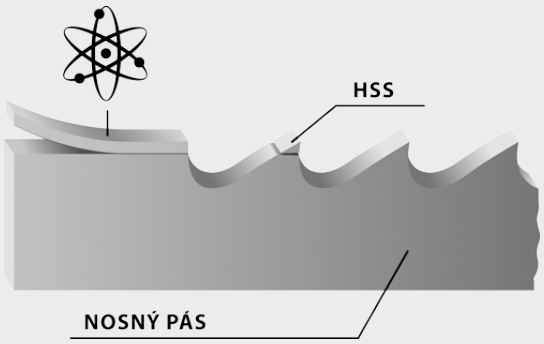
Flat Running Wheel Belt GPK 1885

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.