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Ref. no. 0458-395-0603



LOGOSOL STACK CUTTER PK 1500

THANK YOU FOR CHOOSING A LOGOSOL MACHINE!

We are very pleased that you have demonstrated your confidence in us by purchasing this product, and we will do our utmost to meet your expectations.

Logosol has been manufacturing products since 1989. In that time we have supplied approximately 50,000 machines to satisfied customers the world over.

We care about your safety as well as we want you to achieve the best possible results with your equipment. We therefore recommend that you take the time to carefully read this user manual from cover to cover in peace and quiet before you begin using the product. Remember that the machine itself is just part of the value of the product. Much of the value is also to be found in the expertise we pass on to you in the user manuals. It would be a pity if that were not utilised.

We hope you get a lot of satisfaction from the use of your new machine.

Bengd-Olar Bystian

Bengt-Olov Byström Founder and chairman, Logosol in Härnösand, Sweden



CE

LOGOSOL continuously develops its products. For this reason, we must reserve the right to modify the configuration and design of our products. Document: LOGOSOL PK1500 User Manual Manual, artikelnr: 0458-395-0603 Text: Mattias Byström, Martin Söderberg, Robert Berglund Illustrations: Mattias Byström, Martin Söderberg, Robert Berglund Last revised: September 2018 © 2018 LOGOSOL, Härnösand Sweden

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SAFETY INSTRUCTIONS

- Read carefully through the entire user manual before starting to operate the machine. Failure to observe these safety instructions may result in fatal injuries.
- Make sure that everyone who uses the machine is well informed of the dangers and has read the user manual. The user manual shall always be available to the persons working with the machine. This also applies where the machine is sold or loaned out.
- Minors under 18 years of age are not allowed to operate the machine.
- Make sure that children and animals are not in the vicinity when the machine is being operated.
- Respect the safety distances to avoid injury from high noise levels.
- Anyone working with the machine must be fit for work, healthy and in good physical condition. Make sure you take regular breaks when operating the machine. Never operate the machine while under the influence of alcohol, narcotics or other drugs or medicines that can cause drowsiness or inattention.
- The machine is only to be operated where visibility is good. It is not to be operated in the dark or where visibility is poor.
- Make sure there are other persons within earshot who you can summon if you need help.
- Always wear personal protective equipment: Appropriate clothing is a tight-fitting working overall. Never operate the machine wearing loose-fitting clothes, overall coats or similar.
- Use safety shoes with high-grip soles and steel toecaps. Neckerchiefs, ties, jewellery or other items that can get caught in the equipment are not to be worn.
- Wear strong protective gloves. Risk of cut injuries when handling the guide bar and the saw chain. Cutting equipment can also be hot immediately after sawing.

Key to symbols



For your own safety, read through the entire user manual carefully and do not start the machine before you have understood everything.



Use approved ear protectors and protective eyewear. Hearing can be damaged even after short periods of exposure.



Sharp rotating tools. Make sure that your fingers never come near the cutting tools.



This symbol means 'WARNING'. Pay particular attention where this symbol appears in the manual text.



This symbol is followed by instructions that must be observed. Pay particular attention where this symbol appears in the manual text.

SAFETY INSTRUCTIONS

During operation:

Do not start cutting until the steps in the section "Preparations" on page 26 have been carried out.

Never start the stack cutter if the guide bar is not in its top position and covered by the fixed bar guard.

Never stick hands or tools under any guards or in the cutting path of the guide bar.

Always stand with your face shielded by the protective screen. When end trimming, the chain can throw blocks of wood in the operator's direction.

On the same axis as the guide bar, with a 20 degree deviation to either side, the safe distance "in front of" and "behind" the machine is 8 m (see the illustration). This also applies to the operator. Besides the operator (shown as "Op" in the illustration), no one may stand within 4 metres of the machine's sides while it is operating. The illustration below shows a bird's-eye view of the machine. During operation, the operator must stay within the indicated area behind the control panel. The operator must not stretch his/her arms or legs outside this area.

Risk of chain throw-off if the chain breaks. Respect the safe distance!



Other safety instructions:

The machine must not be modified or added to. Use only parts supplied by LOGOSOL. After servicing, the machine must be restored to its original condition.

A Risk of being hit by the winding crank.

Risk of the saw unit being lowered unintentionally.

Defore releasing the winch safety catch, take a firm grip of the winding crank. Except when the saw unit is to be lowered, the safety catch should always be on.

Risk of burns when changing the chain. Cutting equipment can be hot after use.

• A chip extractor (min. 700 m³/h) must be connected during operation. Be aware of the risk of breathing in dust. Saw outdoors or ensure good ventilation.

• Even people outside the safe distance may still require ear protectors. Outdoors, the safe distance for harmful noise is around 15 m. Ensure that no one without ear protectors is exposed to sounds above 70 dB(A).

Use non-toxic, vegetable, saw chain oil to lubricate the chain.

Risk of unintentional start-up and electric shock.

In this manual, the instruction "cut the power" always means unplug the power cable at the control panel, hang it up so that neither the plug nor the cable can be damaged, and ensure that the chain has stopped.

• Cut the power

- Before touching the chain in any way.
- Before attempting to free a jammed chain.
- Before servicing or other intervention involving the guide bar, belt guard or electrical system.
- Before moving the machine.

- If the machine is to be left unattended. Also ensure that no unauthorised person can start the machine.

- After fitting a chain, ensure that it runs freely before plugging the cable into the control panel.

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MACHINE DESCRIPTION



MOVING THE STACK CUTTER

Thanks to its wheels, the STACK CUTTER can be easily moved when required. Whenever possible, the STACK CUTTER should be moved in the longitudinal direction of the guide bar (i.e. not sideways). If the STACK CUTTER is being moved more than a short distance, the motor unit must be lowered to its bottom position. The risk of tipping increases considerably if the STACK CUTTER is moved sideways (right/left). The floor over which the STACK CUTTER is moved must be smooth and free from gravel and anything else that can make the surface uneven.

• Cut the power before moving the Stack Cutter.

Risk of tipping! The Stack Cutter may only be moved on its wheels when the surface is smooth and even.

Risk of tipping! The maximum permitted speed when moving sideways is 0.2 m/sec. (1 m in 5 sec.).

• When moving the machine, pay particular attention to ensuring that the control panel does not hit any obstacles.

• When the machine is being moved, he winding crank safety catch must always be on..

The Stack Cutter can easily be moved using a crane, tractor or other equipment suitable for this purpose. Use approved lifting straps/lifting chains. The Stack Cutter has a lifting eye at the top of the rear leg. On the motor-side, thread the straps or chains between the handle bars and the guide rail.

SETTING UP

Read the entire manual and, before using the machine, familiarize yourself with all the machine functions and settings.

• Inspect the Stack Cutter immediately on reception. Any transport damage must be notified immediately to the freight company.

Position the Stack Cutter on an even surface. Using the crank on the adjustable wheel, adjust the machine so that it is level and stable.

Connect the chip extractor hose and secure it with hose clamps both at the the machine end and at the extractor end.

Ensure that the lighting is first-class. Fit a powerful light above the machine.

Check that all bolts are firmly tightened. Check that the saw chain runs freely and unobstructed on the guide bar. Check that the chain has been tensioned (see p.31).





End trimming with Logosol's Stack Cutter
Note where the operator is standing, the position of his hands, that the guide bar nose guard is pushed towards the stack, that the stack stands firmly on flat ground and that it is properly strapped.

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COMPONENTS – MOTOR BOX





00-00000

BOLT BAG





립 LOGOSOL



PK-1500

BOLTS & NUTS

Definition of fasteners.





ADDITIONAL SYMBOLS

The following symbols are used as supplements to the symbols above to describe the design or function of the fasteners.









Low

Tensilock Lock

Countersunk



Read all the assembly instructions before beginning the assembly, and then follow the step-by-step instructions during the assembly.



Order of assembly



Good job!

DIAMETER & LENGTH

The size of a fastener is written as a diameter measurement **(M)** ISO 68-1. For bolts, this is followed by a length measurement. The length of the bolt is measured from below the head to the tip of the bolt.

(Diameter)		(Length)
M8	х	20

Work on level ground, as this will facilitate when adjusting the equipment.







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Note that the aluminium profile should be fitted such that it extend over the edge of the square tube.











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PK-1500



Place the motor bracket (raised by blocks) next to the front leg. Fit the guide rail to the motor bracket and then screw it to the front leg. Note that the holes in the guide rail (four holes in a row) should point down. Wait with the bolt joints for these holes, as these holes are to be used for attaching the left leg.







Note that the top plate has to be fitted such that it does not extend over the edge of the rear leg, and that the holes for the line pulley should be fitted to the left.



































Fit the line pulleys and the line holders in the holes in the top plate, then thread the lifting line as in the illustration.

















Attach suitable bar nose guard.









Go through all the adjustment steps to ensure proper operation of the machine.

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ADJUSTMENTS



Check that the inside of the frame is perpendicular. If that is not the case, use spacers between the mounting plate and the front leg until it is perpendicular. There is a slight play between the mounting plate and the rear leg, which you can use to adjust the frame.





Adjust the parallelity between the rear and front leg. Loosen the adjusting bolts of the beam and rotate the rear leg until it is parallel with the front leg. Check that both legs of the frame are vertical using a spirit level.



ADJUSTMENTS



PREPARATIONS

• Ensure that the power to the machine is cut during the preparations.

• End trimming (F) refers to cutting off the stack ends. The longest waste piece sawn off must be min. 10 mm and max. 500 mm.

 \triangle Risk of chain break.

• If the set-up of the stack and the positioning of crossers and straps is not correct, the Stack Cutter will not be able to cut correctly. The guide bar will either jam or the chain will be lifted out of its groove. There is a great risk of chain breakage when this happens.

Risk of the stack tipping over.

• Ensure that the part of the stack that is to be cut off will still stand firmly supported after the cut is made (A).

The Stack Cutter is supplied with a measuring stick that has a scale and an adjustable stop plate. To prepare a stack for cutting, first mark out the approximate position of all the cuts. Do not forget to take the kerf width into account.

Exact measurements are made between each saw cut (see "Setting cut length").

The ground where the stack is set up should be flat and even. Plan the sequence in which the cuts (B) will be made. With the exception of end trimming (where support is required on one side only), there must be stable supports (C) on the ground on each side of the cut. Supports must be at least 150 mm high.

With the exception of end trimming (where strapping is required on one side only), the stack must be firmly strapped (D) on both sides of the cut. Viewed from the cut, any strapping (E) must lie on the far side of any crossers.

• There must not be any strapping between crossers and the cut.



CONTROL PANEL

Do not connect the machine to a power supply before you have read and understood the entire manual. Incorrect use may result in fatal injuries.

- A Start
- B Emergency stop/stop
- C Safety button
- D Motor unit winding crank
- E Plug socket
- F Phase inverter
- G Winding crank safety catch

Start: Hold down the safety button and, at the same time, press the green start button. Stop: Press the red stop button.

EMERGENCY STOP:

Press the red stop button or release the safety button.

• The red stop button is an emergency stop and must not be blocked.

🗥 Risk of being hit by the winding crank.

Risk of the saw unit being lowered unintentionally.

Defore releasing the safety catch (G), take a firm grip of the winding crank (D). The safety catch should always be on, except when the saw unit is to be lowered.

ELECTRICAL CONNECTION

Risk of electric shock.
 The Stack Cutter must be connected via an earth-leak circuit breaker.

Fix the machine's power cable to the ceiling or protect it in some other way. Never tread on the cable.

When all the instructions under the section "Setting up the cutter" have been followed: Check that the guide bar and chain are correctly installed. With the guide bar in its top position, plug the machine in (E) and check that the motor is running in the right direction by looking at the chain in the guard from a safe distance (see safety distance in the safety instructions). On the underside of the guide bar, the chain should be running towards the saw unit. If this is not the case, pull the plug out of the machine and switch the phases in the plug. Use a large flat screwdriver to turn the disc (F) that holds two of the pins.

Risk of electric shock!

• Only qualified electricians are authorised to open/ access the electrical system.

• The plug does not need to be opened to switch the phases.



STACK CUTTING

Risk of serious injury if the warnings and instructions in this manual are ignored!

Before you start cutting...

...you must have read and understood the warnings and other instructions in this manual.

...The Stack Cutter must have been correctly set up and stand secured in the right position as per the sections "Preparations" and "Cut positioning".

Lower the guide bar towards the stack. Select a suitable guard length (A) for the guide bar tip and set the guard to come as near as possible to the stack. Winch the guide bar back up to its top position.

• The maximum permitted distance between the stack and the guide bar guard is 50 mm. Longer guide bar guards can be ordered from Logosol.

• Check the guide bar's path and the ground beneath the guide bar, to ensure that you do not saw through anything unintentionally.

• Before cutting, check that the saw chain runs freely and unobstructed on the electric saw. Wear safety gloves.

• Do not plug the power cable into the machine until it is fixed in the right position.

Risk of the operator being hit by wood debrist thrown backwards in the direction of the chain.

• Always stand with your face shielded by the protective screen.

• Refer to the section "The control panel". Take a firm grip of the winding crank before taking off the safety catch.

• During cutting, the saw unit must not be pushed downwards to increase feed pressure. The maximum feed pressure of the saw unit must be its own weight. Take great care if the saw chain jams because of "pinching". If, at any time, the saw unit does not descend easily through the stack, stop cutting immediately. Disconnect the power and remedy the fault. The cause may be that the saw chain has jammed due to inwards pressure from



both sides ("pinching") and, as a result, has lifted from its groove on the top of the guide bar.

Extreme risk of chain breakage if the chain is lifted out of the guide bar groove! Risk of fatal injury! If the chain breaks, it may be thrown out at high speed, either forwards or backwards, along the axis of the guide bar.

Wind the saw slowly down to the stack and continue all the way through the stack. Wind extra slowly when trimming to avoid bar bending.

Stop the cutter by releasing the safety button or by pushing the red stop button (see the section on the control panel).

MARKING UP FOR END TRIMMING

The basic procedure when using the Stack Cutter is to mark out the intended cut by drawing lines on the sides of the timber stack. Draw a vertical line on both sides of the end of the stack that is to be trimmed. Waste pieces must not be shorter than 10 mm or longer than 500 mm.

1. Position the cutter by the drawn line.

2. Using the wheel crank, adjust the Stack Cutter to approximately the correct angle.

3. Align the upper sight exactly with the line. On the side that is not going to be cut off, drive a screw into the stack through the hole in the sight.



4. Use the wheel crank to fine adjust the lower sight.



5. Go around the machine and align the cut on the opposite side.

The sighting rod must be on the side of the stack that is not going to be cut off.

The sighting rod holder must be fitted in such a

way that you can measure close to the centre of the stack.

6. Push the sighting rod close to the stack.



7. Make sure that the plastic sight pegs are close to horizontal position.

8. Tighten the sighting rod in its holder.

9. Align the Stack Cutter and lock the position by pushing down the locking foot next to the wheel (and, if necessary, screwing the sighting rod into the stack – in which case, disregard point 10).

10. Loosen the sighting rod, pull it back so that the plastic pegs do not get in the way of the saw chain, and turn it 90 degrees.

Risk that cut pieces of wood are being thrown out in the operator's direction.

• Stand behind the protective screen. Wear safety goggles. Ensure that all other people observe the safety distance.

12. Cut along the line as per the instructions in "Stack cutting". Observe all the warnings.

When making the first cut, calibrate the machine's plastic sight pegs by pushing them out a few millimetres and then sawing them off. This will show the exact path of the guide bar.

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SETTING THE CUT LENGTH



End trimming

Once one of the stack ends has been trimmed, the cut surface provides the point for measuring the position of the next cut.



Set the measuring stick's stop plate to the desired length.



At the top and the bottom of both sides of the stack, set the stop plate against the cut surface and mark the end of the rod.

CHANGING CUTTING EQUIPMENT

After a while, the saw chain will lose its edge. The saw chain can be easily removed for sharpening. An electric grinder is recommended for sharpening, but it is also possible to use a round saw chain file. To ensure that the correct equipment is used, saw chains, chain sprockets and guide bars should be purchased from Logosol.

A new chain may need re-tightened after the first or second cut.

 \triangle Risk of cuts and burns.

• Before commencing servicing, ensure that the power is cut and that the saw chain is not rotating. The chain may be hot. Always wear safety gloves.

Removing the guide bar and chain: When changing the chain, it is not necessary to remove the bar nose guide.

1. Remove the chip duct.

2. Lay the chain around the guide bar and secure it with tape so that it does not hang below the bar.

3. Place a support, e.g. a euro pallet, under the guide bar.

4. Lower the motor unit until the guide bar is resting on the support.

5. Set the chain tensioner (C) to its rearmost position.

6. Loosen the guide bar nuts (A) and the cover plate (B) that the oil pump sits on.



7. Lift off the guide bar.

It can be difficult to fit a new chain around the sprocket because it is short. Chains stretch with use and are then easier to fit.

(Remove the chip duct.)

1. Lay the chain around the guide bar and secure it with tape so that it does not hang below the bar.

2. During fitting, lower the motor unit until it rests on a support, e.g. a euro pallet.

3. Check that the chain tensioner (C) is in its rearmost position.

4. Rest the guide bar on the support.

5. Fit the bar nose guide to the T-profile (depending on chain length, this can sometimes not be done before the chain is tensioned).

6. Fit the guide bar on the guide bar bolts (A). Pull the saw chain around the chain sprocket. Check that the sprocket sits tight to the bearing housing and that the collars of the guide bar bolts are in the guide bar slot.

7. Push the cover plate (B) down over the bolts and tighten the nuts (hand-tight).

8. Check that the guide bar, chain and bar nose guide are correctly positioned.

9. Tighten the chain with the chain tensioner (C). The chain should be tightened until it is in contact with the underside of the guide bar.

10. Tighten the guide bar nuts (A).

11. Rotate the chain by hand and check that it runs correctly around the guide bar. (wear safety gloves). If it does not, the chain may be incorrectly installed around the sprocket or it may be tightened too hard.

12. Raise the saw unit to its top position.and check that the bar nose guide is in the correct position all the way.

13. Refit the chip duct.

TROUBLESHOOTING – CUTTING EQUIPMENT

The guide bar must not cut at an angle. Any malfunctioning in this respect is most clearly noticeable when the guide bar is raised after a cut has been made. If the bar does not gently rest against the cut surface, but pushes against it, or moves away from it, there may be a fault with the bar or the chain.

Causes of malfunctioning of the cutting equipment:

1. One cause of problem when using the Stack Cutter is that you have a dull chain.

2. The chain may have been damaged on one side, e.g. by a metal object in the wood. The chain will still cut, but will pull to one side.

3. The chain has been filed incorrectly. The cutters on one side have been filed down less than those on the other. To get a more even result, try to have the same working position when filing the right and left sides of the chain. A few teeth that are damaged or completely lost after cutting through a nail does not normally have a noticeable effect on the performance of the chain.

4. When precision decreases after a period of problem-free cutting, guide bar wear is almost always the cause.

The guide bar pulls to one side

The angle of the guide bar should be adjusted so that it is completely in line with the sawing direction. The deviation may not exceed 0.1 mm on the bar width.

If the chain has been damaged on one side, or filed unevenly, it can run incorrectly. The chain will then wear more on one bar rail, and if you continue to saw the guide bar will wear unevenly. Even though you replace the chain, an unevenly worn bar can guide the chain incorrectly and, in addition, the new chain can also be worn down.

An unevenly worn bar can be repaired. File the bar rails so they are equally high, e.g. with an edge file (SKU: 9999-000-0450), you can file the guide bar rails to an even height.

Another more common reason for the guide bar pulling askew, is that it is worn out so that the drive links touches the bottom in the track of the guide bar and the chain loses the support provided by the bar rails. This is shown on the chain by the tip of the drive link becoming worn.

Test the chain oil with your fingers

In order for the chain oil to work well it must be viscous and thready. When you place a drop between the thumb and the index finger and then open them, long threads should form. If only 2–3 threads form, the oil's adhesion is insufficient and the oil will be thrown off at the tip of the guide bar. We recommend Logosol's high-performance vegetable chain oil for chain sawmills (SKU: 0718-000-1010, 10 litres)

The oil flow is set by a screw on the oil pump. Flow is set to maximum at the factory and must not be altered.

SHARPENING THE CHAIN

The cutters on the chain of a motor saw are coated with a very thin layer of chromium. This gives a very sharp and durable edge. As long as the edge is in the chromium layer, your chain will have perfect sharpness.

If you always sharpen the chain before it becomes dull, the wear and tear on the guide bar and chain will be minimal.

If, on the other hand, you make 5–10 cuts after the edge has left the chromium layer, the chain becomes so dull that it starts to be difficult to saw. The saw speed will be low and the feed pressure high. The bar and the chain will rapidly overheat. It is still possible to cut under these conditions, but the equipment wears very quickly.

When filing a dull chain, there is a clear risk of not reaching the chromium layer. The chain may get sharp, but because the edge is not in the chromium layer, it will soon become dull again.

If you do not sharpen the chain in time, you will have to file away a large part of each cutter to make the chain sharp. This considerably reduces the service life of the chain. If a lot of cutting is done with a dull chain, the feed pressure will be high. Consequently, the bar will wear quickly and there is a risk of chain breakage.

In conclusion: Sharpen the chain before it becomes dull. This prevents the setting up of a vicious circle in which wear is high and cutting results poor.

MAINTENANCE

If you keep your cutting equipment in good condition, the sawn product will have the right dimensions, you will cut faster and the the equipment will last longer.

When the timber you are cutting is "aggressive" to the chain (e.g. dry wood, hard wood, or timber that has sand or dirt in the bark), regular sharpening of the chain is particularly important.

File before cutting slows down

When the chain starts to lose its edge, the cutting speed falls, the guide bar gets hot and descends through the stack more slowly. Stop cutting immediately! Actually, sharpening has already been delayed too long. Cutting with a dull chain puts great stress on the cutting equipment. Consequently, always file before the chain becomes dull!

File comfortably

You can get good results both by filing by hand and by using an electric chain grinder. When hand filing, the chain does not need to be removed. We recommend a double file that has an integrated depth gauge file (Pferd 5.5 mm, SKU: 9999-000-0420).

Avoid chain breaks

Cutting too long with a dull chain can result in breakage. The chain will break under the cutters (inspection will show excessive wear at this point).

If, however, a drive link breaks, this may be because the chain and the sprocket are not well matched. Check the sprocket every time you change the chain.

MATERIAL DRYING

Once the wood is sawn it must be dried. If this is not done in the right way, then there is a danger it will be damaged by fungal rot.

The best time for outdoor drying is in the spring. The relative humidity of the air is very low and the wood will dry in a couple of weeks.

Cut some supportive blocks in the length that corresponds to the width of your pile, ideally larger pieces, e.g. 5"5, to raise the wood from the ground, which should also be dry, level and free of growth. The spacing should not exceed 1 m and should lie level and in line with each other.

Cut spacers or drying sticks in the same length as the supportive blocks. They should be of the same thickness (1x1" or 1x2") and dry. (You can get material for these by making an extra cut when edging your boards.)

Place the first row of boards on the underlying surface. The boards are to be of the same thickness and be positioned a few centimetres apart. Then place spacers on the boards (in the same positions as the underlying supportive blocks) before the next layer is laid. It is important to place the spacers exactly over each other, to keep the boards from warping or bending. The higher you pile the boards, the better pressure there is on the lower boards. Place roofing of plastic, metal sheeting or masonite over the top to provide protection from rain, but leave the sides open. Put a weight of some sort on the roof to put pressure on the top boards.

If the wood is to be used for fine joinery, it should be stored in a heated room for another 3-4 weeks (longer for thicker dimensions) or be dried in a wood drying kiln for a perfect result.

It is possible to use undried wood in some constructions, but it must be kept in mind that the width and height will shrink 5%. Wood also shrinks around 0.3% in length, but this can usually be disregarded. In order to avoid rot, you should not enclose undried wood in a way that makes it hard for air to circulate. One further tip: Do not drive two nails next to each other as the board will probably crack in the middle when it dries out. Drive one nail and wait with the second until the wood has dried.

One example of where you should use undried wood is when building log structures. In such a situation, a heavy wall is a plus, as is the possibility that the logs still can be shaped when they are pressed against each other.



LOGOSOL also has electric wood drying kilns for preparation of fine joinery timber.

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Part no.	Quantity	/ Designation	Information	SKU
1	1	Rear leg	Pk-13	8510-001-0070
2	1	Rear leg corner profile	Pk13-2	8510-001-0072
3	10	Hex bolt	M6S 933 M6x20	9008-319-1349
4	10	Round washer	Brb 125A 6,4 Fzb	9291-021-0140
5	1	Beam	Pk-15	8510-001-0065
6	1	Left guard	Pk-18	8510-001-0067
7	1	Right guard	Pk-18-1	8510-001-0069
8	12	Hex bolt	M6S 933 M6x20	9008-319-1349
9	12	Round washer	Brb 125A 6,4 Fzb	9291-021-0140
10	4	Locking nut	985 M6 Fzb	9214-320-0090
11	1	Corner	Pk-14	8510-001-0092
12	14	Hex bolt	M6S 931 M8x120 FZB	9007-319-1880
13	1	Hex nut	M6M 934 M8 Fzb	9210-260-1100
14	1	Front leg	Pk-17	8510-001-0055
15	8	Hex bolt	M6S 931 M8x35 FZB	9007-319-1870
16	8	Round washer	Brb 125A 8,4 Fzb	9291-021-0180
17	1	Guide rail, Stack Cutter	Pk-16	8510-001-0063
18	1	Right leg	Pk-11, pos 1	8510-001-0120
19	1	Left leg	Pk-11, pos 2	8510-001-0122
20	11	Hex bolt	M6S 931 M6x120 FZB	9007-319-1880
21	11	Round washer	Brb 125A 6,4 Fzb	9291-021-0140
22	11	Locking nut	985 M6 Fzb	9214-320-0900
23	1	Fitment holder		8510-001-0084
24	2	Hex bolt	M6S 933 M8x20 Fzb	9007-319-1820
25	4	Round washer	Brb 125A 8,4 Fzb	9291-021-0180
26	4	Hex nut	M6M 934 M8 Fzb	9210-260-1100
27	2	Hex bolt	M6S 931 M8x60 Fzb	
28	1	Support 1025 incl. fastener exc	:l. wheel 12201	8510-001-0074
29	1	Rubber wheel with needle bear	rings 160 mm T32422	8510-001-0076
30	1	Tubular sleeve	20x1.5x84. 11810	
31	1	Hex bolt	M6S 933 M10x25 FZB	9007-319-1025
32	1	Fastener, pressure foot	Pk-pf-05-2	8510-001-0098
33a	1	Wheel without lock, 160 mm E	BR	8510-001-0075
33b	1	Wheel with lock, 160 mm BR	31335	8510-001-0068
34	4	Hex bolt	M6S 933 M10x30 FZB	9008-319-1830
35	14	Round washer	Brb 10.5x22x2 Fzb	9291-021-0200
36	8	Locking nut	985 M10 Fzb	9214-320-1305
37	1	Pressure sleeve, pressure foot	Pk-pf-15	8510-001-0100
38	1	Shaft	Pk-pf-	8510-001-0116
39	2	Insert nut	M8	8510-001-0104
40	1	Spring		8510-001-0104
41	1	Small washer	Pk-pf-	8510-001-0110
42	1	Large washer	Pk-nf-	8510-001-0112
43	1	Triangle		8510-001-0061
44	1	Locking nut	985 M6 Ezb	9214-320-0090
45	1	Adjustable foot	SF 20 41	8510-001-0073
46	1	Nut	M6M 934 M10 Fzh	9214-320-1305
47	1	Tensioning arm pressure foot	Pk-nf-05-2	8510-001-0094
48	1	Lever	···· •·· ••	8510-001-0096
. •	-			

8/6/10

M6

4510-723-2511

0000-500-0001

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Spacer sleeve

Locking nut



Part no. Quantity Designation

Information

SKU

51	1	Stand	Pk-01-03	8520-300-0400
52	1	Cmpl motor bracket	Pk-02	8510-001-0190
53	1	Cmpl motor unit	Pk-09	8510-001-0400/0230
54	8	Round washer	Brb 125A 10 5	9291-021-0200
55	4		985 M10 F7B	9214-320-1305
56	1	Top plate	Pk-17-5	8510-001-0061
57	4	Hex holt	M6S 933 M10x30 F7B	9008-319-1830
58	6	Bound washer	Brb 10 5x22x2 $F_{7}b$	9291-021-0200
59	3		985 M10 Fzb	921/-320-1305
60	2	Sheave holder	777-4625-1/	4507-001-1205
61	2	Sheave F	700-3003	9999-000-60/8
62	2	Spacer sleeve 8/6/10	888-1020	4510-723-2511
63	2		985 M6 Ezh	9214-320-0900
6 <u>7</u>	2 /	Hevagonal holt	M65 933 M5v12 Ezh	0000-200-0034
65	4	Round washer	Rrb 125A 5 3v10v1 Fzb	9291-021-0120
66	4	Winch	1200G 545 Kg	8502-001-0064
67	י ר	Hox bolt	M65 033 M8v20 Ezh	9007-319-1820
68	2 1	Round washer	Brb 125A 8 4 Ezb	9291-021-0180
60	4			9291-021-0180
70	1		903 MO FZD	9214-320-1100
70 72	1	Ming booded bolt		8510-001-0010
72	1			0007 210 1990
75 74	4	Round washer	$\frac{1}{2}$	9007-319-1880
74 75	0			9291-021-0180
75 76	1	Fighting rod		9210-200-1100
70 77	1	Signung rod	PK-03-V2	8510-001-0085
// 70	1	Sight peg	PK-12, $POS 4$	8510-001-0080
/ð 70	ו ר	toke	PR-12, POS 3	8510-001-0079
79	2	LOCKING NUL		9214-320-0900
80	Z	Round Washer	BID 125A 6,4 FZD	9291-021-0140
81	6	Sight	PK-12, pos 1	8510-001-0081
82	6	Sight peg	PK-12, pos 4	8510-001-0080
83	6	YOKE	PK-12, pos 3	8510-001-0079
84	24			9214-320-0900
85	36	Round wasner	Brd 125A 6,4 Fzd	9291-021-0140
86	12	Hex bolt	M62 931 M6X120 FZB	9007-319-1880
8/	1	Guide bar		3002-001-8076
88	1	Chain		3644-000-0189
89	2	Cmpl. bar nose guide	Pk-08	8510-001-0125
90	4	Round washer	Brb 5,3	9291-021-0120
91	2	Hex bolt	M5x20	9007-319-0520
92	2	Locking nut	M5	9214-320-0700
93	1	Chip duct		8510-001-1006
94	2	Hex bolt	M6S 933 M6x20	9008-319-1349
95	2	Round washer	Brb 125A 6,4 Fzb	9291-021-0140
96	1	Tip guard	Pk-19, l=200	8510-001-0017
97	1	Tip guard	Pk-19, l=295	8510-001-0018
98	1	Tip guard	Pk-19, l=390	8510-001-0019
99	2	Hex bolt	M6S 933 M6x20	9008-319-1349
100	2	Round washer	Brb 125A 6,4 Fzb	9291-021-0140



Part no.	Quantity	/ Designation	Information	SKU
1	1	Motor bracket	pk-02-04	8510-001-0018
2	1	Carriage strip, stack cutter	pk-02-05	9999-000-1030
3	2	Slide strip, stack-cutter		8510-001-0054
4	4	Bolt R6B 7504 K B6x19 Fzb		0000-900-0001
5	10	Hex bolt	M6x20, DIN 933	9008-319-1949
6	10	Washer	Brb 6,4	9291-021-0140
7	10	Square nut	M4M M6	9222-068-0900
8	4	Hex bolt	M10x45	9007-320-1045
9	4	Hex nut	M10	9210-260-1350
10	1	Sheave		9999-000-6448
11	1	Spacer sleeve 10/6/10	R-723-2505	4510-735-2505
12	1	Hex bolt	DIN EN24014 M6x30	9008-319-1352
13	1	Hex locking nut	M6	9210-260-0900
14	2	Washer	Brb 6,4	9291-021-0140
15	1	Oil tank		9999-000-6052
16	1	Oil tank holding plate	700-4050	6505-001-0010
17	1	Cmpl. oil cap with mesh		9999-000-6054





Part no.	Quantity	/ Designation	Information	SKU
1	1	Motor plate	Pk-05	8510-001-0028
2	1	Motor plate lid	Pk-05-01	8510-001-0119
3	4	Hex bolt	M6S 933 M6x20 Fzb	9008-319-1349
4	4	Round washer	Brb 125A 6,4 Fzb	9291-021-0140
5	1	Cmpl. bearing housing with sh	aft Pk-04	8510-001-0035
6	3	Allen bolt	MC6S 912 M8x25	9040-319-1850
7	3	Round washer	Brb 125A 8,4	9291-021-0180
8	1	Cmpl. cover plate	Pk-06	8510-001-0040
9	2	Locking nut	985 M10 Fzb	9214-320-1305
10	1	Electrical connector		9999-000-6075
11	1	Check nut	Skindicht SM 13,5	9009-060-0005
12	1	Enlarger	Skindicht ME	9009-063-0005
13	1	Adaptor for thick cable	Skintop PG 16	9999-000-6061
14	1	Electric motor 5 kW		6505-001-0005
15	1	Countersunk Allen bolt	MF6S 916 M8x20 Fzb	9045-319-1800
16	1	Pulley 28/125	700-3001-1	9999-000-6026
17	1	Stop bolt	SK6SS 916 M8x10	9007-321-0810
18	1	Poly V belt		9999-000-6000
19	1	Hex bolt	M6S 933 M8x30	9007-319-0830
20	1	Nut	M8	9210-260-1100



Part no.	Quantity	y Designation	Information	SKU
1	1	Cover plate	Pk-06-v2	8510-001-0040
2	1	Oil pump		9999-000-6020
3	1	Transparent oil hose		9999-000-6036
4	1	Nipple		9999-000-6018
5	1	Guide bar upper washer	Pk-10-v3, pos 2	8510-001-0236
6	1	Allen bolt	MC6S M5x12	9045-319-0512
7	3	Locking nut	985 M5	9214-320-0700
8	1	Star-headed bolt	M5x16	9999-000-6002



Part no.	Quantity	Designation	Information	SKU
1	1	Bearing housing, stack cutter	Pk-04-1	8510-001-0042
2	1	Chain tensioner bolt	501 79 27-01 Husqvarna	8510-001-0047
3	1	Tensioning pin	501 22 68-01 Husqvarna	8510-001-0048
4	1	Stop bolt	T6SS DIN 915 M5x16	8510-001-0048
5	1	Shaft	700-2001	9999-000-6066
6	1	Pulley 15/40	700-3001-1	9999-000-6025
7	1	Ball-headed thrust bolt	DIN 916 - M 8 x 10	9210-260-1100
8	1	Ball bearing		9999-000-6067
9	1	Retaining ring	RS009 6799 Fzb	9999-000-6041
10	1	Chain sprocket	3/8″-8	1207-642-1310
11	1	Oil pump sprocket	Plastic	9999-000-6021
12	1	Rubber bushing		9999-000-6069
13	1	Washer NB steel 1300	10x19x1,5 Fzb	
14	1	Locking nut	985 M10 Fzb	9214-320-1305
15	1	Plastic cover		9999-000-6030
16	1	Guide bar lower washer	Pk-10-v3, pos 1	8510-001-0232
17	2	Guide bar bolt, new 040101	Pk-20	8510-001-0240





Part no.	Quantity	y Designation	Information	SKU
1	1	Bar nose guide	Pk-08-1	8510-001-0125
2	2	Threaded sleeve, Pop nut M6	UFO 65	
3	2	Hex bolt	M6S 933 M6x35	9007-346-1380
4	6	Round washer	Brb 125A 6,4	9291-021-0140
5	4	Spacer sleeve 8/6/10	888-1020	4510-723-2511
6	2	Locking nut	985 M6 FZB	9214-320-0900

CIRCUIT DIAGRAM

Potentially lethal voltage! Faulty connection can result in a fatal injury.

• Note that only qualified electricians are authorised to open or work on the electrical equipment of the machine. Ensure that the power is cut before exposing any part of the electrical system.

- Connect the machine and check that the motor is running in the right direction. If this is not the case, pull the plug out of the machine. Switch the phases in the plug by using a large flat screwdriver to turn the disc (6) that holds two of the pins.

① Under current regulations, the machine must be connected via a 5-flex cable (7). It must not be switched on if the power connection does not have a separate earth and a separate neutral.



TECHNICAL DATA, STACK CUTTER 1200/1500

Dimensions Stack Cutter 150	Length Width Height Weight	2600 mm 1100 mm 1900 mm 145 kg
Cutting dimensions Stack Cutter 150	Max. stack width Theoretical max. width approx. Max. stack height Recommended height off ground Max. total stack height	1400mm 1450mm 1350mm 150mm 1500mm
Dimensions Stack Cutter 120	Length Width Height Weight	2300 mm 1100 mm 1900 mm 135 kg
Cutting dimensions Stack Cutter 120	Max. stack width Theoretical max. width approx. Max. stack height Recommended height off ground Max. total stack height	1100 mm 1150 mm 1350 mm 150 mm 1500 mm
Chip management	Chip duct Required min. chip extractor capacity	100 mm 700 m³/h
Electrical system	Power supply Protection class Motor power rating	16 A, 400 V 50 Hz IP54 5 kW
Sound levels	Sound pressure level Sound power level	102.0 dB (A) 113.0 dB (A)
Cutting equipment	Chain pitch	3/8 inches
	Chain speed	22.5 m/s



In accordance with Directive 2006/42/EG, Annex 2A

Logosol AB Fiskaregatan 2 871 33 Härnösand, SWEDEN

herewith declares that Logosol Stack Cutter

has been manufactured in conformity with: Machinery Directive 2006/42/EG EMC Dierctive 2004/108/EU

and has been manufactured in conformity with the following harmonized standards: EN ISO 12100:2010 EN 60204-1:2006 EN 50370-1, -2.

Notified body, 0404,RISE SMP Swedish Machinery Testing Institute AB, Box 7035, 750 07 Uppsala, Sweden, has executed EC type-examination according to Directive 2006/42/EG, article 12, paragraph 3b. The EC type examination certificate has the number: 0404/17/2408

The delivered Stack Cutter corresponds to the machine that was subject to EC type-examination.

Mattias Byström, Product Manager, is responsible for the technical files.

Härnösand 2017-11-01 Malte Frisk CEO

봅LOGOSOL

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