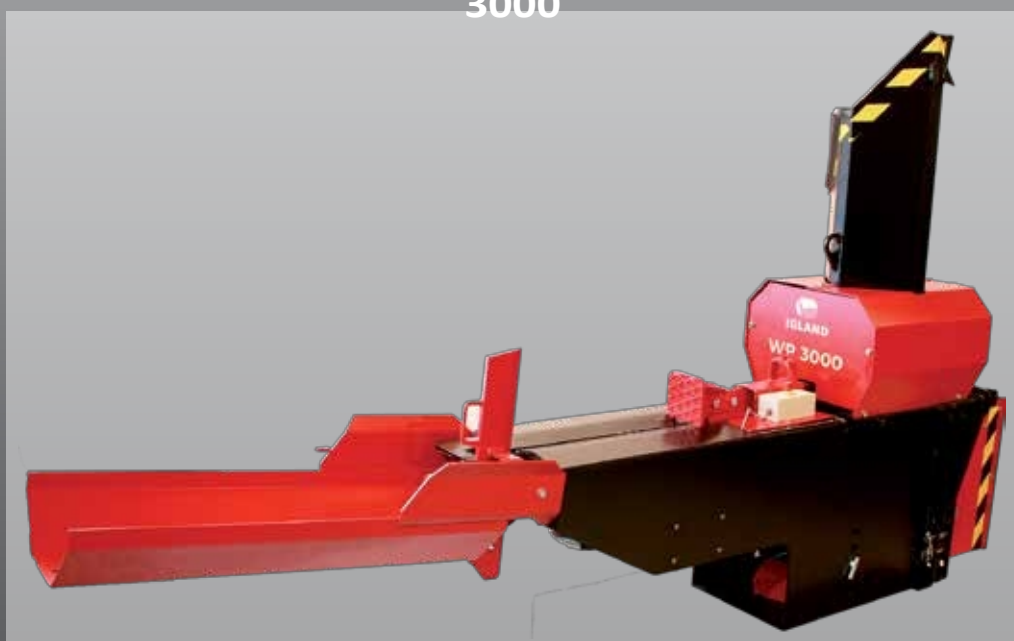




IGLAND

User manual

Firewood
processor WP
3000



Read through the entire manual before using the product. It contains important safety information.



nøsted &

Thank you for choosing a wood processor from IGLAND!

This user manual is designed to provide you with detailed information about the use, installation, safety, and maintenance of the equipment.

It is important that you read this manual carefully before using the machine.

The safety of our users is our highest priority. This manual contains important information on how to use the machine safely and avoid potential hazards.

To ensure your safety, we want you to be aware of and consider that accidents, misuse, and equipment failure can lead to dangerous situations. It is important that you position yourself during work so that any accident does not result in personal injury.

The instructions provided in this manual must always be followed. Careless or incorrect use can result in serious injury or death. Modifications or other alterations to the original design of the product are made at your own risk and responsibility. It is important to note that any modification or alteration of the product will void the warranty.

If you have any questions or need assistance, please contact our service center at +47 479 20 192. Always state the type, serial number, and year of manufacture when making inquiries and ordering parts.

We are here to help you have a safe and enjoyable user experience.

| | |
|-----------------|----------------|
| Product | |
| IG500012 | WP 3000 |

| | |
|------------------|-------------------------|
| Revised | 08/23/2024 |
| Published | 08/23/2024 |
| P/N | IG390667 |
| Website | Nosted.com/igland |
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AI-translated from the original user manual

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1. EXTRA EQUIPMENT

| DESCRIPTION | WP 3000 |
|---|----------|
| Universal attachment for excavator | IG500065 |
| SMS for front loader | IG500050 |
| Gml. Ålø type 3 for front loader | IG500053 |
| Euro attachment for front loader | IG500062 |
| HMV and SMS attachment for front loader | IG500056 |
| Triangle mount for front loader | IG500059 |
| Electric converter from 24V to 12V | IG500068 |
| Big bag rack for Euro pallets | IG500082 |
| Chip separator for big bag rack or hanger frame | IG500070 |
| Bag rack/trolley for 2 x 60/80 l small bags | IG500083 |
| Hydraulic unit 85 l/220 bar, for tractors with low oil capacity | IG500040 |
| Power take-off shaft for IG500040 | IG209100 |
| Triangle bracket for IG500040 | IG143210 |
| HMV bracket for IG500040 | IG158508 |



2. SAFETY INSTRUCTIONS

2.1 General safety instructions

To ensure safe use of the machine, it is important to follow our safety instructions carefully.

- **Read the user manual:** Before using the machine and any additional equipment, read and review the user manual carefully to understand proper use and maintenance.
- **Area of use:** Never use the product for tasks other than those for which it is designed. The machine is designed to feed, cut, and split timber in a single operation. The manufacturer is not liable for damage or destruction caused by misuse of the equipment.
- **Safety distance:** Always observe safety distances and ensure that you maintain a safe distance from moving parts during operation. A safety zone of 10 m must be observed.
- **Operation:** Familiarize yourself with the controls and functions of the machine. Ensure that only qualified and trained personnel use the equipment.
- **Personal protective equipment:** Always wear the necessary personal protective equipment, including a helmet, ear protection, safety glasses, gloves, and safety shoes during operation.
- **Risk of crushing:** Be aware of the risk of Crush injuries from all moving parts.
- **Risk of tipping:** Always be aware of the risk of tipping.
- **Emergency preparedness:** Keep first aid equipment and emergency numbers readily available in case of an accident or emergency.
- **Modifications or other alterations** to the original design of the product are made at your own risk and responsibility. It is important to note that any modification or alteration of the product will void the warranty.
- **Inspect the machine and its components regularly** for signs of wear, damage, or loose parts and screws. Replace worn or damaged parts with components approved by the manufacturer. All damage must be repaired before the machine can be used again.
- **Keep a record of maintenance and repairs** carried out on the machine.



2.2 Safe use

- **Follow safety rules and exercise the utmost caution** to limit and prevent accidents.
- **Only use the machine** for its intended purpose and for what it was designed for.
- **Ensure that the equipment you use is in good condition** and has undergone regular maintenance checks. Check that all safety devices are in good working order.
- **Keep the work area** clean and well lit.
- **Ensure that only one person** operates the machine at a time.
- **Ensure that all bystanders** are at a safe distance, at least 10 m, when the log splitter is in use.
- **Ensure that the machine is stable** and secure on a flat surface.
- **The operator must not have any physical limitations** that prevent safe use of the equipment.
- **Never leave the cab** in auto mode.
- **Avoid wearing scarves and other loose clothing** that could get caught in moving parts.



- **Never overload** the machine's capacity and follow the manufacturer's instructions.
- **The pole must always** be at least 50 cm into the feed tube before lifting.
- **Never touch the stick** while the machine is running.
- **Keep body parts away from the feed tube** while the machine is running.
- **Keep body parts away from the discharge section** while the machine is running.
- **Be aware of the risk of crushing** when the piston returns on a manual splitter.
- **The maximum permissible oil pressure** is 230 bar. Must not be changed.
- **Never place** hydraulic hoses inside the tractor cab.

- **Be aware of sparks/fire hazards** when grinding blades.
- **Never** leave the machine while it is running.
- **Never walk under** the raised implement.
- **Maintenance must only be carried out** with the engine switched off and the system depressurized.
- **Check that the machine is disconnected from** the power supply before maintenance or adjustment.

2.3 Storage

- Disconnect the power source and clean the equipment after use.
- Store the machine and controls under cover, in a dry and secure place.
- Prevent children from climbing or playing on or near the machine.

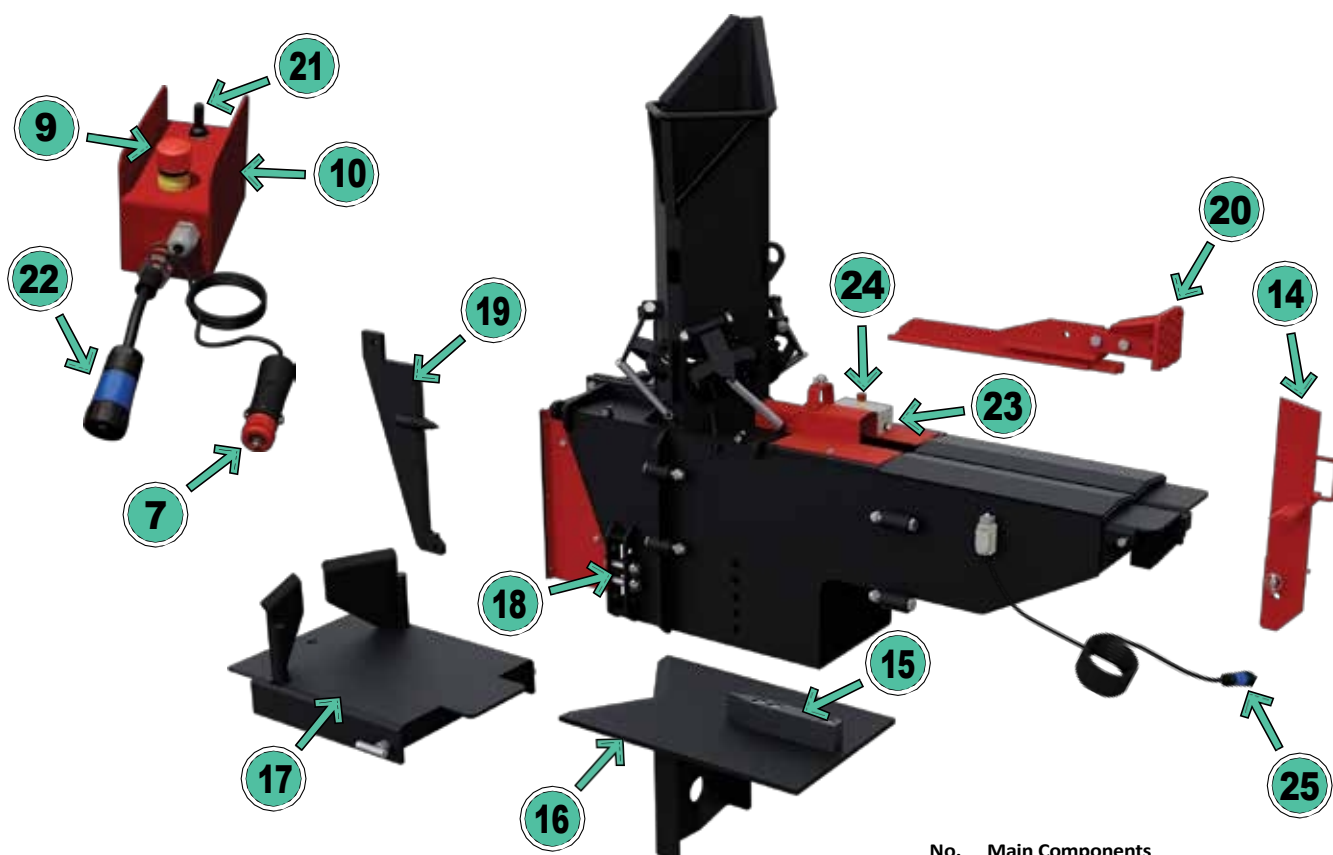


2.4 Checklist before use

- Always inspect the machine for wear and damage before use. Any damage must be repaired by qualified personnel before the equipment is used again.
- Ensure that you have a clear view of the work area.
- Keep children and pets away from the work area.
- Check hydraulic hoses and couplings. Check for oil leaks before and after use.
- Lubricate the machine as specified.
- Ensure that all moving parts are clean enough for use.
- Follow safety rules to limit and prevent accidents.

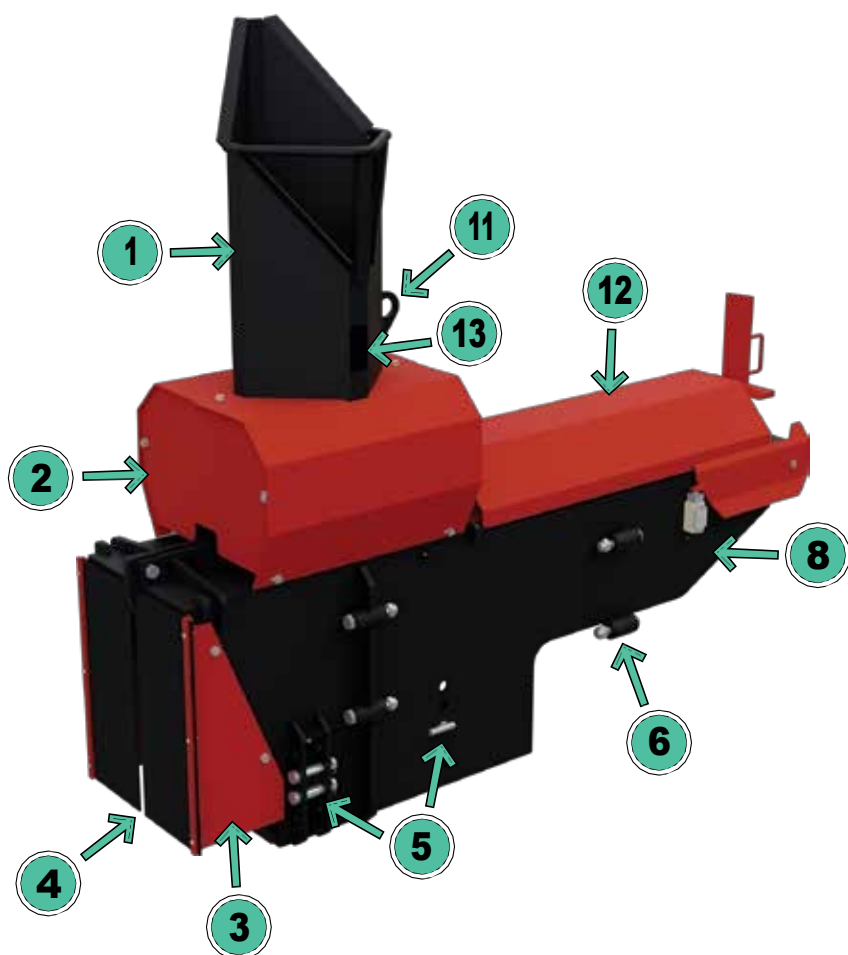


#3. MAIN COMPONENTS



No. Main Components

1. Feed pipe
2. Feed rollers
3. End cap
4. Discharge section
5. Bolts for length adjustment
6. Attachment for tool holder
7. 12 V contact
8. Switch for auto mode
9. Emergency stop button
10. Control panel
11. Lifting point
12. Top cover/wood collector
13. Inspection hole
14. Manual splitting knife
15. Splitting knife
16. Cutting knife
17. Base plate
18. Leaf spring
19. Splitting knife
20. Shovel for manual splitter
21. Toggle switch for auto operation
22. 7-pin, female
23. Manual operation
24. Emergency stop, manual splitter
25. 7-pin, male



4. TECHNICAL SPECIFICATIONS

| | |
|---------------------------|------------------------|
| Igland WP 3000 | |
| Automatic function | |
| Min. oil quantity | 15 L/min |
| Max. oil quantity | 85 L/min |
| Recommended oil quantity | 45-85 L/min |
| Max. oil pressure | 230 bar |
| Max. splitting force | 15.7 tons |
| Cutter length | 30-50 cm |
| Splitting knife | 2/4 split, automatic |
| Max/min diameter | 28 cm/5 cm |
| Recommended diameter | 10-25 cm |
| Height/length/width | 175/194/53 cm |
| Weight (without mounting) | 575 kg |
| Attachment | See optional equipment |
| Manual splitter | |
| Max. splitting force | 8 tons |
| Max. log length | 60 cm |
| Splitting blade | 2/4 split |

5. ASSEMBLY

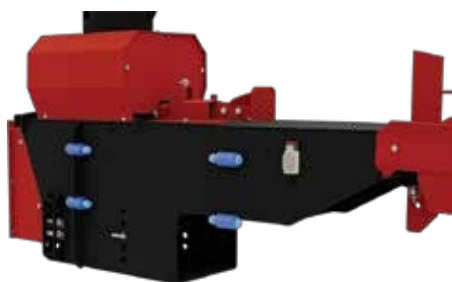
5.1 Connecting the machine

Lift the machine at the lifting point.



5.1.1 Lifting point

The desired mounting bracket is mounted with four bolts. If necessary excavator attachment is welded to the universal attachment in the desired position.



5.1.2 Attachment to tool attachment

Connect to tractor or excavator. Ensure that the coupling is sufficiently locked.

Connect the pressure hose (1/2") to the hydraulic outlet. Connect the return hose (1") to the free return or hydraulic outlet.

Hoses and cables to the control panel are laid along the loader/excavator arm and secured with straps or similar. Ensure that hoses and cables are not stretched or pinched during use, or that they do not get caught on anything.



5.1.3 Connection to power supply

The control panel is connected to the cable and power supply in the cab of the tractor or excavator. The control panel must always be located in the cab.

5.2 Hydraulic unit (optional)

Connect to the tractor's 3-point



5.2.1 3-point

Pressure hose is connected to the quick coupling on the long side of the tank.

The return is connected to the quick coupling on the return filter at the top.



5.2.2 Connecting hoses

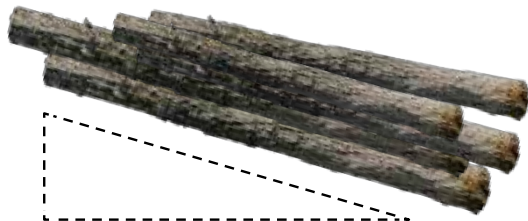
PTO is cut according to the manufacturer's instructions. Check the oil level before use. Maximum speed: 540 rpm.

6. USE AND OPERATION

6.1 Preparations

Max. log diameter: 28 cm. Recommended diameter: 10–25 cm.

Place the logs so that they can be picked up at the root end. The top end should be higher than the root end for easier picking. Vary the protrusion in the stack.



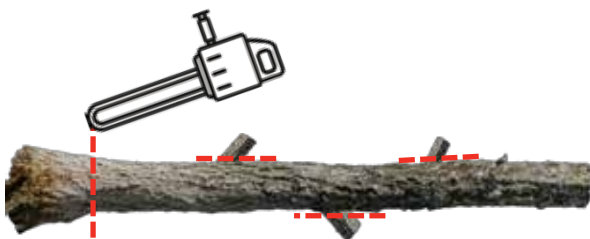
6.1.1

Avoid logs with bends. Crooked logs should be cut into shorter, straight logs.



6.1.2

Twigs must be cut right up to the log. Cut off the root end if it is larger than the maximum diameter.



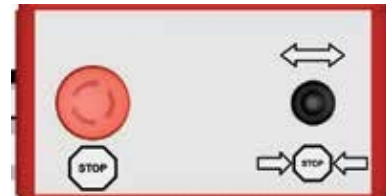
6.1.3

6.2 Automatic cutting/splitting function

The driver and operator panel must always be in the cab when using the automatic function!

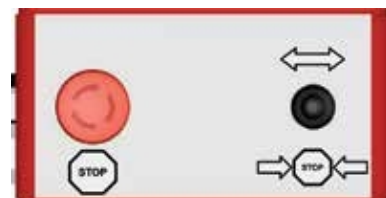
6.2.1 Overview of control units

Stop in rear position:



6.2.1.1

Automatic function ON:



6.2.1.2

Stop in middle position (New stick):



6.2.1.3

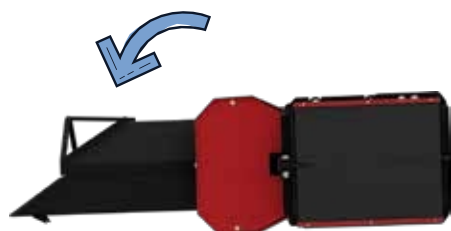
Emergency stop:



6.2.1.4

6.2.2 Feeding and cutting/splitting

Tilt the machine down so that the feed pipe is aligned with the log.



6.2.2.1

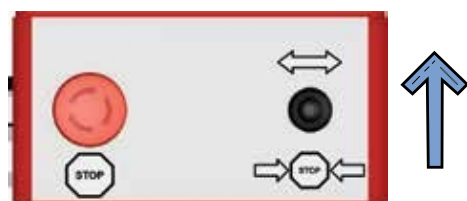
Insert the log into the tube with the root end first.



6.2.2.2

NB The log must always be inserted at least 50 cm into the feed tube before lifting. Lift the machine gently so that the log is not thrown out. Look through the inspection hole as you do so. Shake the machine gently if the log does not go all the way down.

Start the automatic function when the machine is in a vertical position.



6.2.2.3

The finished wood comes out under the machine.



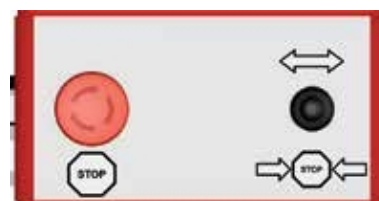
6.2.2.4

Once the log has been cut and split, stop in the middle position for a new log.



6.2.2.5

Stop in the rear position if the work is finished.

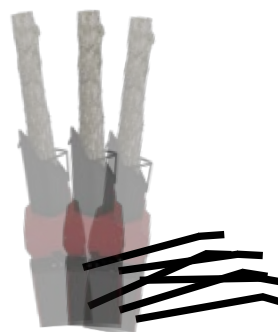


6.2.2.6

6.3 Jamming

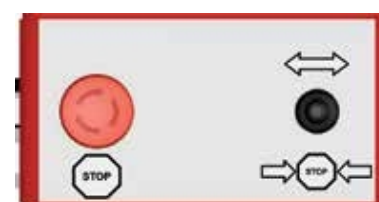
6.3.1 Log stops in the pipe

Shake the machine with short, quick movements.



6.3.1.1

If this does not help: Set the switch to the middle position so that the blade returns and the machine stops.



6.3.1.2

Press the emergency stop button.



6.3.1.3

Lay the machine down. Gently shake the machine to release the log. Pull the log out manually if it does not come out by itself.



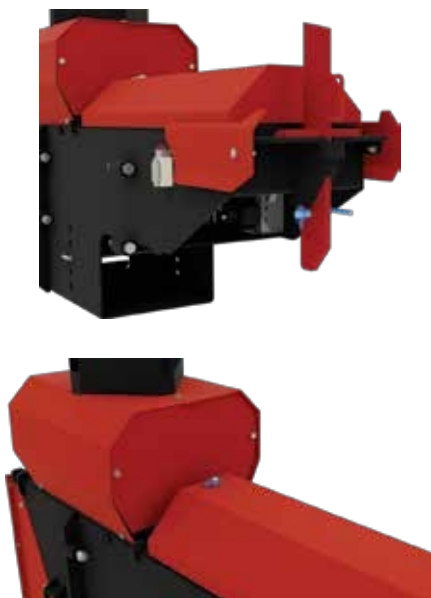
6.3.1.4

6.3.2 The blade is stuck in the log

Turn off the automatic function so that the blade returns. Turn the automatic function back on so that the blade moves forward. Repeat the process a few times. If this does not help: Stop the machine, tilt it down and remove the log. Cut the log so that it is narrower and try again, or split the entire log manually.

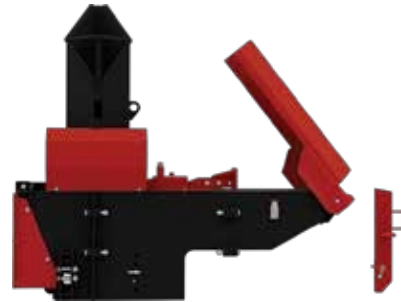
6.4 Manual splitting function

Remove the cover pin. Remove the cover pin and bolt for the blade and lift it out.



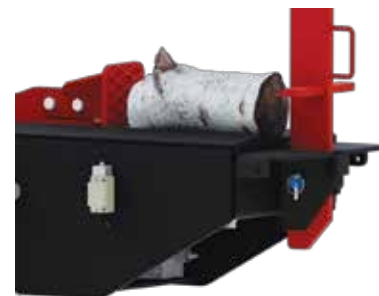
6.4.1

Open the cover.



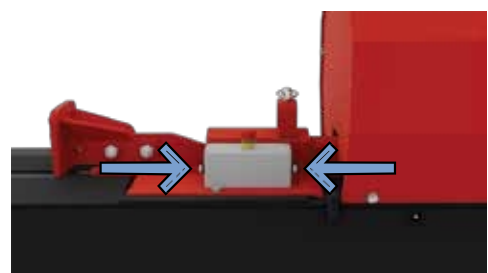
6.4.2

Replace the knife. Select the height for 2 or 4 splitting.



6.4.3

Place the log on the table. Maximum log length: 60 cm. Press both buttons simultaneously to split. The pusher returns automatically when one of the buttons is released.



6.4.

Close the cover and insert the blade after use. Always lock with the bolt and pin.

7. ADJUSTMENT

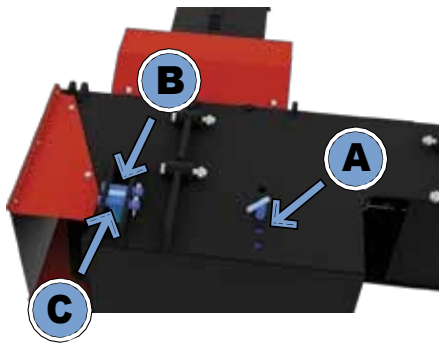
7.1 Cube length

Tilt the machine down, place a support underneath and lower it onto the support. Stop the tractor or excavator.



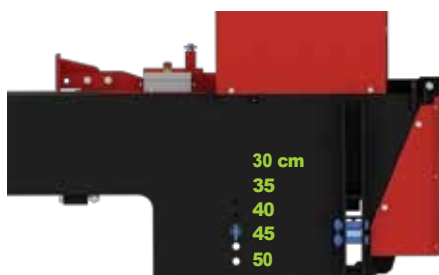
7.11 Position for length adjustment

Remove bolts A, B, and C.



7.12 Bolts for length adjustment

Move the base plate and leaf springs to the desired firewood length. Insert bolt A under the base plate. The leaf springs must always be positioned between bolts B and C (3 different positions).



7.13 Scale for length adjustment

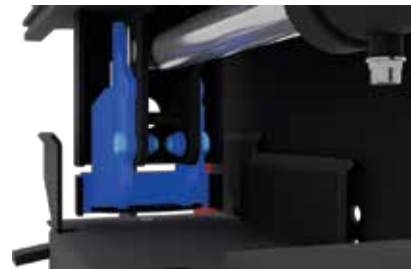


7.14 Base plate



7.15 Leaf springs

For log lengths of 30 cm or 35 cm, the extension must be removed from the pusher. Move the machine to the rear position and stop the tractor or excavator. Unscrew the two bolts and remove the extension. Then move the base plate up and lock it in place with bolts and pins. For a bucket length of 50 cm, move the extension down and secure it with the upper bolt holes.



7.16 Extension

7.2 Knives

The splitting blade can be removed if desired when splitting small logs. The log will then be split into only two pieces. The vertical splitting blade can be removed to cut the log into round logs only.

8. MAINTENANCE

8.1 Maintenance table

| Interval | Component | Description |
|-------------------------------|-------------------|-----------------------|
| First 10 hours | Inductive sensors | Retighten |
| | Screws and nuts | Retightened |
| | | |
| Every 10 hours | Grease nipples | Lubricate with grease |
| | | |
| Every 50 hours | Moving parts | Lubricate with oil |
| | Sliding surfaces | Lubricate with oil |
| | | |
| Every 100 hours / Annually | Inductive sensors | Retighten |
| | Screws and nuts | Retightened |

8.2 Lubrication points

The power source must be switched off during all types of maintenance.



8.2.1 Lubrication nipples



8.2.2 Sliding surfaces



8.2.3 Bolts for rollers

Remove the end and top covers.



8.3.3

Remove the automatic splitting knife (vertical knife).



8.3.4

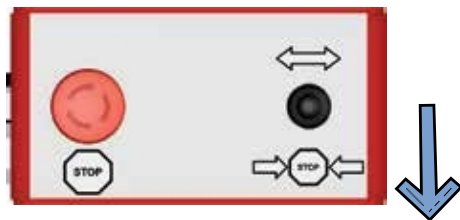
Remove the bolt from the cylinder piston rod.



8.3.5

8.3 Sharpening the knives

Move the cutting blade to the rear position.



8.3.1

Set the tipping device to free position and stop the engine.



8.3.

Remove the splitting knife.



8.3.6

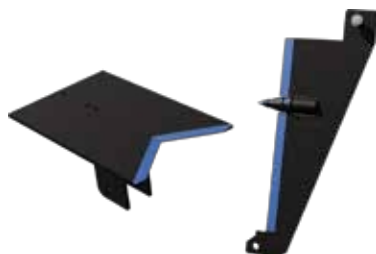
Remove the cutting blade.



8.3.7

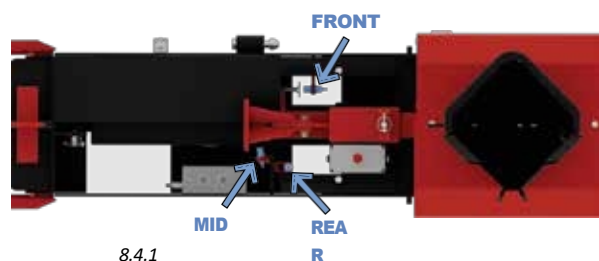
Sharpen the blades with an angle grinder or similar tool. NB! Take your time to avoid the steel becoming too hot. Overheating can weaken the material. Be aware of the fire hazard from sparks.

Refit the blades and covers.

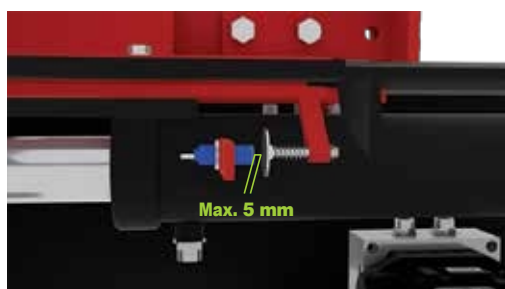


8.3.8

8.4 Checking inductive sensors Check that the inductive sensors are in the correct position and retighten the nuts.



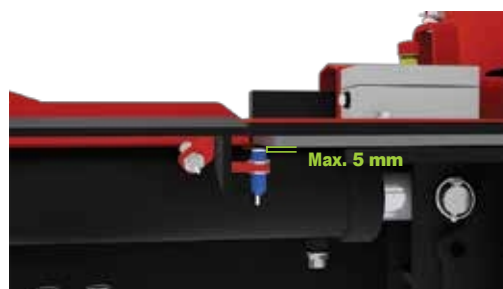
8.4.1



8.4.2 Front sensor



8.4.3 Center sensor



8.4.4 Rear sensor

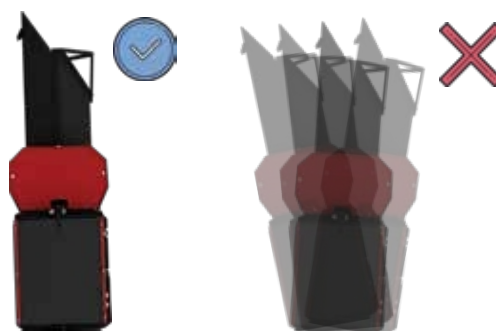
8.5 Hydraulic unit

The oil and oil filter insert must be changed once a year.

Oil type: SAE10W/30

See parts catalog for filter insert.

9. STORAGE



9.1

Stop the machine with the blade in the rear position so that the cylinder is retracted. Lubricate all moving parts before storing. Clean the machine of chips, sand, and similar debris. Repair surfaces with worn paint or protect them with grease or oil. Park the machine on a level, flat surface and store it in a dry place.



IGLAND Workshop and Service Center

Our Workshop and Service Center in Mandal provides technical support for all our products.

We service and repair older and well-used winches.
This extends the life of the products and is good for the environment.

Do you need:

Technical support for timber trailers

Accessories or additional equipment

Appointment for service or repair of winches

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