

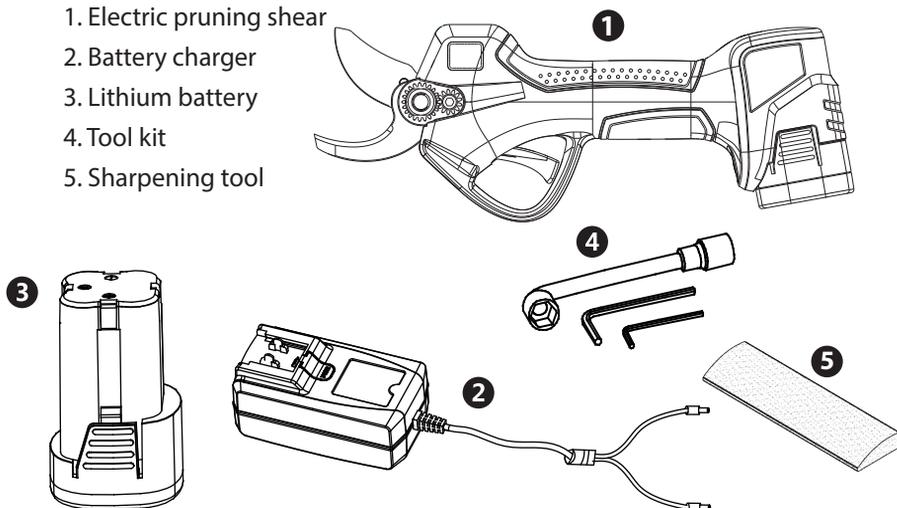
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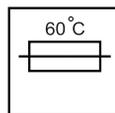
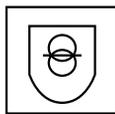
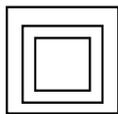
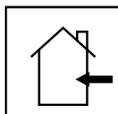
Dear customer, thank you for choosing an **IBEA** product. In order to use at best this product, we advise you to read this manual in all its parts and keep it carefully for future reference. If you find any anomalies or malfunctions, do not hesitate to contact **IBEA** assistance center closest to you.

● Packing list

1. Electric pruning shear
2. Battery charger
3. Lithium battery
4. Tool kit
5. Sharpening tool



● Product overview



● Note

1. Please read through the manual carefully.
2. Battery can only be charged indoor.
3. Double insulation and grounding not required.
4. Fail-safe transformer charger.
5. Battery charging will automatically cut off when overheating occurs.
6. Dispose battery charger separately from household waste.
7. Dispose battery separately from household waste.



● Product Description

This product is a battery-driven electric pruning shear, comprises a fixed blade, a movable blade, a lithium battery, a battery charger, a power cord and other components. Designed for cutting or trimming 32 mm or less branches in fruit orchards, vineyards, etc. Simple and easy to operate, it also has 8 - 10 times the efficiency of traditional manual pruners. Pruning quality is significantly higher as compared to manual pruners.

● Technical Specifications

Basic informations of electric	
Nominal voltage	14.4V
Max voltage	16.8V
Lithium battery	16.8V - 2Ah
Charging voltage	AC110V - 220V
Charging duration	1 - 1,5 hours
Operating duration	3 - 4 hours (depending on the use)
Rated power	100W
Max power	500W

Cutting range (Max)	
Diameter	32 mm Vine branches
Operating Temperature	14°F-149°F / -10°C-65°C



Please read through all safety warnings and instructions carefully. Failure to follow warnings and instructions may result in electric shock, fire and serious burns and other accidents.



Do not use or expose electric pruning shear in rainy conditions.



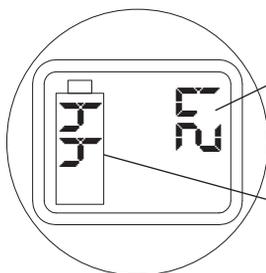
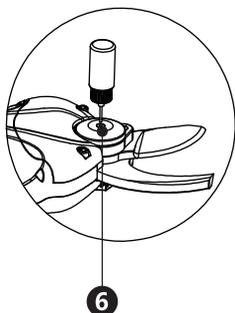
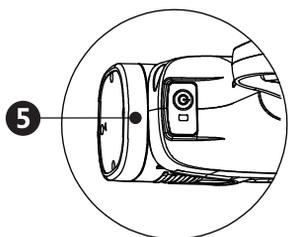
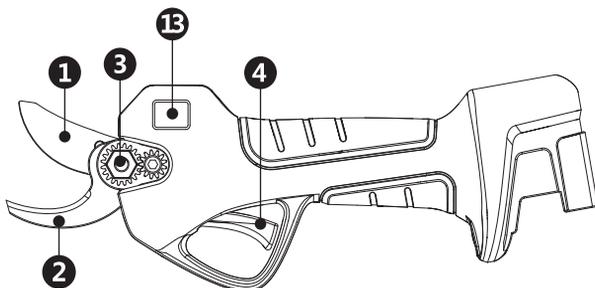
Never place hands near the cutting area of the electric pruning shear during operations.



Never contact electrically charged objects with electric scissors.

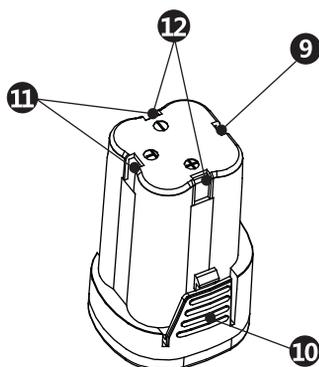
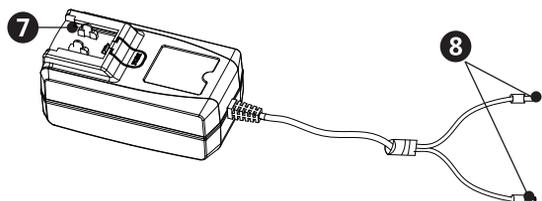
● Product Components

1. Movable blade
2. Fixed blade
3. Latch pin
4. Trigger
5. Power switch
6. Lubrication hole
7. Charger plug
8. AC charger socket
9. Charging jack
10. Battery release button
11. Battery input connector
12. Battery output connector
13. Display



For 2 sec. appears total N. of cuts made, later appears the N. of cuts from beginning of session.

Battery charge level



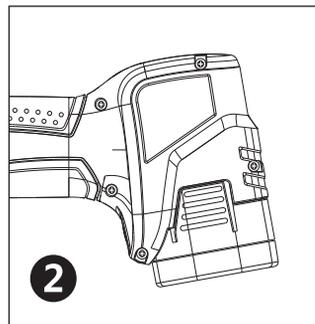
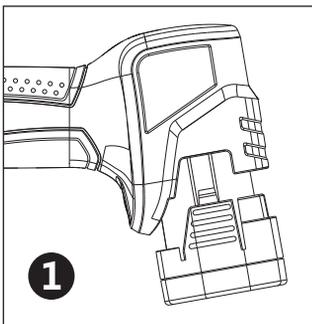


● Product Operation - Setting Up

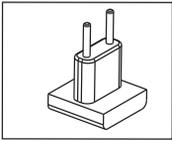
1. Insert the battery into the power connector of the pruner.
2. Switch on the power switch of the pruner. Due to first time usage, the LED display indicator will be green and the buzzer will sound 1 time.
3. Double click the trigger, the pruner blades will automatically open.
4. Normal pruning: press trigger to close the blades and release the trigger to open the blades.
Blade closing: continue to press the trigger; a continuous buzz means that the blades will stay closed.
5. Before operation, in order to check if the pruner is working properly, please press the trigger to close and release the trigger to open the blades without cutting anything. Repeat this procedure for a few times.
6. If the branches are small in diameter and you want to speed up the cut, set the opening of the blades at 20 mm instead of 32 mm. For this setting proceed as follows: after turning on the machine (green LED illuminated), keep the button pressed for 2 seconds, until an acoustic signal is emitted. To restore the previous setting, repeat the operation.

● Packing Up

1. Press the trigger, hold for a few seconds and then release; the blades will close and will not open.
2. Switch off the battery; disconnect the battery.
3. Tidy up, clean and pack the pruner into the tool box.
4. Keep machine out of reach of children.

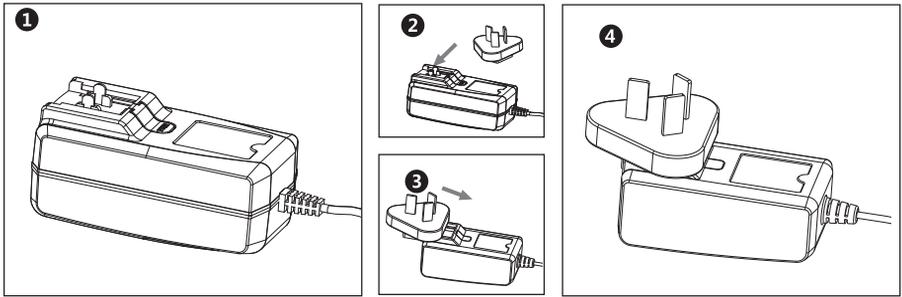


● Disassemble & assemble the charging plug

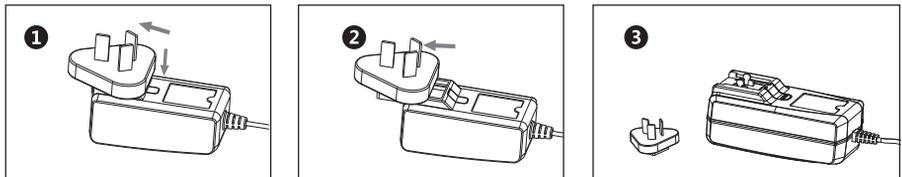


Supplied adapter.

Push the charging plug inward in parallel with the socket of the charger to complete the installation.



Press and hold the disassembly button as shown in Figure 1, and simultaneously push the charging plug outward.



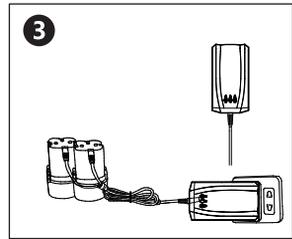
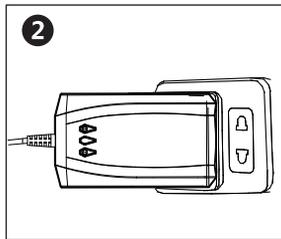
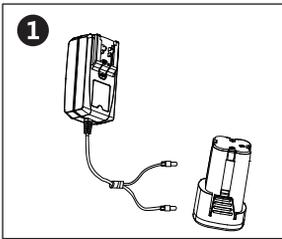


● Use, Maintenance and Precautions of Battery Battery Charging

The battery of the new product is not fully charged. Place the battery on the desktop, insert the charger output jack into the battery socket, as illustrated in Fig. 1 and then plug the charger plug into the power socket. When the indicator light lights up, charging starts.

When the indicator light of the charger is red, it indicates that the charger is charging; when it is green, the charging is done and the battery can be used.

Charging steps:



1. Place the battery on the desktop and insert the charger plug into the battery, as shown in Fig. 1;
2. Plug the charger into a power outlet;
3. When the indicator light of the charger is red, it indicates that the charger is charging; when it's green, the charging is complete and the battery can be used.



Precautions: Each indicator light represents the charging state of the corresponding battery



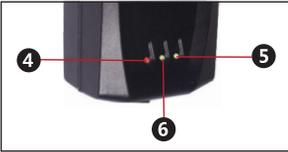
Please use the charger included for charging, on which there is an indicator light corresponding to each charging plug (whether for individual charging or multiple charging, please refer to the indicator light on the charger to determine if charging is completed. The charger adopts a sequential charging method instead of simultaneous charging.)

Note: Whether the battery is connected or the power supply is not connected, the indicator light is green.



To charge two batteries with one charger: as shown in the figure

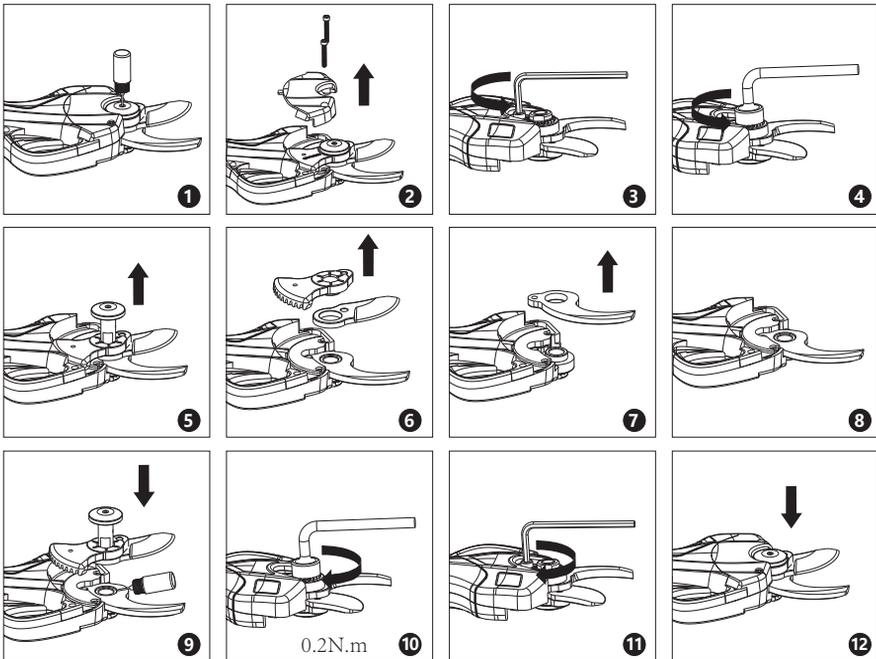
1. Not charging
2. Charging
3. Fully charged



Order of the indicator light

Note: In case that two or three batteries are connected, charging will start by the order from 1 to 2 then to 3, during which the indicator light is red and will turn green when the battery is fully charged. If the current battery is fully charged, the charger will jump to the next battery to be charged by the aforementioned order.

● Blade Replacement (disconnect power before operation)



- Fixed and movable blades can be replaced individually; do not worry about the size of the replacement blade aperture, the opening will automatically return to normal size during power **ON** after completing blade replacement.



● Blade lubrication

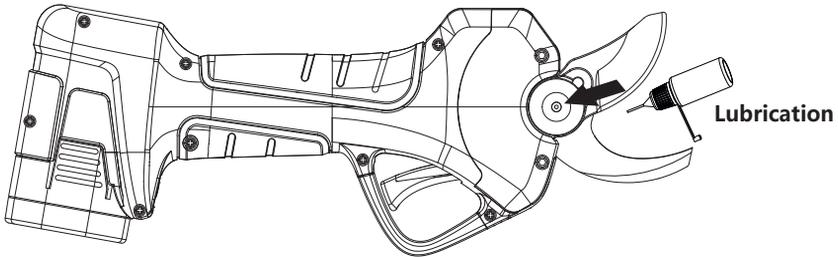


The power supply of the trimmers must be disconnected before operation.

The blade should always be lubricated before use or after being used for more than 4 hours. The correct way to lubricate is to open the blade. For lubrication, use lithium spray grease.

Procedure:

The lubricant inlet hole is indicated by the arrow. Insert the nozzle of the grease nipple into the lubrication hole and press a few times to obtain a uniform distribution of the lubricant.



● Blade tightness adjustment



The power supply of the trimmers must be disconnected before operation.

Check the tightness of the blade before use. The blade with the correct tightening will not wobble neither to the left nor to the right. If the tightening of the blade is optimal, the scissors will save the battery and not unnecessarily strain the engine.

Note: the blade must not swing sideways when closed. Side swinging will produce a gap between the two blades, resulting in the gear teeth not meshing properly, potentially causing damage to the mechanical structure.



● Operation Precautions

● Usage and Care for Pruning Shear

1. Do not cut branches beyond specified diameter indicated, do not cut hard items such as metals, stones or any other non-plants materials. If the blades are worn or damaged, please replace them.
2. Keep the pruning shear clean; use a clean cloth to clean the pruning shear, battery and charger (do not use any abrasive or solvent-based cleaning agent) use a soft dry brush to clean the dust off the pruning shear head.
3. Do not immerse the pruning shear, battery or charger in any liquid.
4. Follow instructions as given for proper use of the pruning shear, do not use the pruning shear when the tool itself, battery or charger are damaged.
5. Do not use the pruning shear if it could not operate or shut down properly. Send for servicing immediately. It is dangerous to use the pruning shear when the tool could not operate or shut down properly.
6. Please ensure the pruner is powered off during any adjustment, replacing accessories or storage. This protective measure aims to reduce the risk of accidental pruner activation.
7. Please ensure the blades are closed when not in use, storage of the pruning shear must keep out of reach of **CHILDREN**, do not allow any person, who is not familiar with the pruner, to use the tool without instruction. It is dangerous to use the pruning shear without proper training and understanding.
8. To use the pruning shear must comply with instructions stated in this manual and methods of use as well as taking in consideration of the working environment and nature of work undertaken. The use of the pruning shear not within its stated capability and specifications is dangerous.
9. Remove all dirt from the moving and fixed blades after each use, thereafter apply lubricant on the blade side where both moving and fixed blade contact. This will ensure the blades are maintained in good conditions and reduce resistance during use, prolonging the pruner and blades lifespan.
10. At the end of the work, always remove the battery and store the machine in a safe place, out of the reach of children. The company declines all responsibility for damage to things or people.

● Usage and Care for Battery

1. Do not charge battery with ambient temperature below 32°F (0°C) or above 113°F (45°C).
2. Please ensure the battery is switched off before connecting the power cord to the battery.
3. Only use battery charger supplied with the pruning shear, the use of any other charger not matching to the specification of the battery may cause fire.
4. Item such as paper clips, coins, keys, nails, screws or any other conductive items must be keep away from battery when not in use.



5. Do not disassemble the battery.
6. Do not short-circuit the battery.
7. Do not use the battery beside heat source.
8. Do not put the battery in fire or in water.
9. Do not charge the battery near fire or under direct sunlight.
10. Do not insert nail into the battery, hammer the battery, stomp the battery, throw the battery or any other form of shocks to the battery.
11. Do not use deformed or damaged battery.
12. Do not perform soldering or welding on the battery.
13. Do not reverse direction of charging battery, reverse polarity of connections or excessive discharge of battery.
14. Do not connect the battery to charging outlets or car cigarette lighter socket.
15. Do not use the battery on equipment other than the designated pruning shear.
16. Do not direct contact with lithium cells in the battery.
17. Do not place the battery in microwave, high temperature or high pressured vessel.
18. Do not use a leaking battery.
19. Keep the battery out of reach of **CHILDREN**.
20. Do not use or place the battery under direct sunlight (or in vehicles that are under direct sunlight). That will cause battery overheat or burn, reducing the battery lifespan.
21. Do not use the battery in electrostatic environment (above 64V).
22. Do not use battery that is corroded, with unpleasant odor or unusual appearance.
23. If the skin or clothing comes into direct contact with battery fluid, wash with clear water immediately.
24. Maintain the battery fully charged when the pruning shear is not used for a long period of time.

● Safety Notes

Warning! Please read all instructions carefully, not complying with instructions may lead to electric shocks, fire or other serious damage!

● Workplace Safety

1. Keep work area clean and bright, messy and dimmed workplace may cause accidents.
2. Do not use the pruning shear in explosive, inflammable or humid environment.
3. Keep **CHILDREN** and bystander away before operating the pruning shear to avoid accidental injury due to distraction.

● Electrical Safety

1. Pruning shear battery socket must be compatible with the power cable plug, do not modify the socket and the plug.
2. Do not expose the pruning shear to rain, humid environment, water or any other moisture that will risk electrical shock.
3. Do not misuse the power cord. Do not lift or pull up the pruning shear by the power cord. Keep the pruning shear away from heat, oil, sharp edges or moving parts.



● Human Safety



Use suitable clothing and protective shoes with non-slip soles.



Use protective gloves.



Use protective glasses.

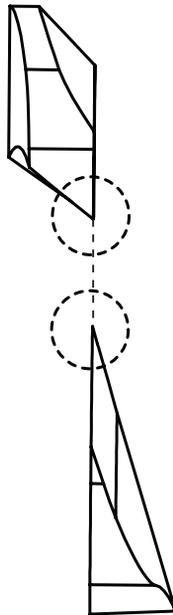
1. Do not wear loose clothing or jewelry that could get caught in the parts in movement.
2. Maintain attention, do not get distracted, use common sense during use tool. Do not use the tool if excessively tired or under the effect of drugs, drugs, alcohol or other substances.
3. Do not use the scissor in rainy weather.
4. The tool is designed for pruning branches, do not use on hard or wood other items.
5. If the blade is stuck, do not try to unlock it before putting the ignition switch in the OFF position.
6. Before starting the pruning work, make sure that they are not present in the branches hidden objects or cables of various kinds.
7. During use, firmly grasp the tool with one hand and hold the blade at least 15 cm away from the other hand and the rest of the body.
8. Do not use the tool near flammable liquids or gases to avoid the risk of fire or explosions.
9. The wear of the blade must be checked at regular intervals. Sharpen the blades if necessary. Blunt blades overload the tool. Damage resulting from use with blades in bad condition are not covered by warranty.
10. Don't try to repair the tool yourself. Always go to service centers authorized in case of need for repairs. All maintenance operations and repair, not described in this manual, must be carried out by a service center.
11. Prevent accidental activation. Make sure that the switch is in position OFF when the tool is connected to the battery and when the tool comes handled or transported. Transport the tool with the switch in position ON and your finger on the trigger can cause danger of accidental actuation.
12. Remove all keys and repair tools before turning on the switch. A wrench attached to moving parts can cause injury.
13. Don't go out of balance. Maintain the correct body balance in each situation. This allows better control of the tool in case of unexpected events.

● Irregularity Measures

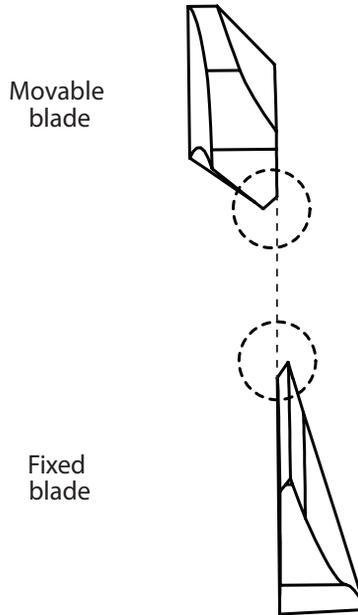
1. In the event the pruning shear is not able to cut through an object, release trigger immediately, the moving blade will return to its open position automatically.
2. In the event the pruning shear is cutting through a particularly hard branch, release the trigger immediately, the moving blade will return to its open position automatically.
3. In the event the battery is not charging properly, please check if the charger is the one provided with the package during purchase. Next ensure that the supplied voltage to the charger has the same rating as the specifications on the charger.
4. In the event of electrical or mechanical malfunction, power **OFF** immediately.
5. Operating without following instructions may result in battery fluid leakage. Do not touch the leaked battery fluid. In the event of accidental contact with battery fluid, clean with clear water immediately. If the battery fluid comes in contact with the eyes, wash with clear water and ask for medical assistance. Fluid from leaked battery may cause irritations or burns.

● Blades sharpening

Correct sharpening



Wrong sharpening





● Error reports

In case of any fault, please handle it according to the prompt code on the display screen.

Fault prompt on the display screen:

When using this product, if the following code appears on the screen, repair or handle it according to the corresponding fault prompt.

Meanings of shears alarms				
Alarm content	The board LED flashes several times	The buzzer of the card sounds several times	Error code indicated on the display	More instructions
No error	0	0	E00	
Current sensor error	2	6	E02	
MOSFET failure	3	6	E03	
Hall blade sensor failure	4	3	E04	
Overcurrent protection	5	5	E05	
Opening blocked / rotor blocked	6	3	E06	
Phase error	7	4	E07	
Overcurrent / Undercurrent	8	1	E08	
Overheating MOS/chip	9	6	E09	
Communication error	10	2	E10	
Bit error	10	7	E10	
EEPROM error	11	6	E11	
Phase detection failure	12	4	E12	
Programming error	13	6	E13	
Scheduled maintenance	15	5	E15	
Battery error	16	9	E16	
Communication error between board and batteries	17	10	E17	



● Warranty

This machine has been conceived and manufactured through the most modern productive techniques. The manufacturer guarantees its products for a period of 24 months from the date of purchase except for professional continuous service products, used for work on behalf of third parties, for which the warranty is 12 months from purchase date.

WARRANTY CONDITIONS

The guarantee is recognized from the date of purchase. The construction company replaces defective parts free of charge in the material, workmanship and production. The warranty does not cover the replacement of the machine.

The technical staff will take care of the problem within the time limits granted by organizational needs and, in any case, in the shortest possible time. No delay will give rise to requests for damages nor to the request for extension of the guarantee itself.

To request warranty service, you must show, to authorized personnel, the warranty certificate stamped by the dealer, completed in all its parts and accompanied by the purchase invoice or receipt or other returned document fiscally mandatory and proving the date of purchase.

The guarantee lapses in case of:

- No obvious maintenance
- Incorrect use or tampering with the product
- Use of unsuitable lubricants
- Use of non-original spare parts or accessories
- Repair work carried out by unauthorized personnel

The manufacturer excludes from the warranty all parts subject to normal wear and tear of operation.

Any damage caused during transport must be immediately reported to the carrier, under penalty of forfeiture of the guarantee.

The manufacturer is not liable for any direct or indirect damages caused to people or things, from machine failures or resulting from forced suspension prolonged use of the same.