

Instructions - User manual

BATTERY PRUNING SHEARS

TP3002



ALNOVA[®]

Millasur, SL.
Rúa Eduardo Pondal, nº 23 - Pol. Ind. Sigüeiro
15688 - Oroso - A Coruña 981 696465 www.millasur.com



ANOVA thanks you for choosing one of our products and guarantees the assistance and cooperation that has always distinguished our brand over time.

This machine is designed to last many years and to be very useful if it is used according to the instructions contained in the user manual. We therefore recommend that you read this instruction manual carefully and follow all our recommendations.

For more information or questions you can contact us through our web supports such as www.anovamaquinaria.com.

INFORMATION ABOUT THIS MANUAL

Pay attention to the information provided in this manual and on the appliance for your safety and the safety of others.

- This manual contains instructions for use and maintenance.
- Take this manual with you when you go to work on the machine.
- The contents are correct at the time of printing.
- They reserve the rights to make alterations at any time without affecting our legal responsibilities.
- This manual is considered an integral part of the product and must remain with it in case of loan or resale.
- Ask your dealer for a new manual in case of loss or damage.

READ THIS MANUAL CAREFULLY BEFORE USING THE MACHINE



To ensure that your machine provides the best results, please read the use and safety regulations carefully before using it.

OTHER WARNINGS:

Incorrect use could cause damage to the machine or other objects.

The adaptation of the machine to new technical requirements could cause differences between the content of this manual and the purchased product.

Read and follow all instructions in this manual. Failure to follow these instructions could result in personal injury.

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1. Items in the box

The tool includes the following components in the carrying case with which it is supplied.

1. electric pruning shears
2. Lithium batteries x2
3. Charger
4. Tool kit and lubrication



2. Product description

2.1 General instructions



1. Read the instructions in their entirety.
2. Battery charging must only be carried out in protected indoor places.
3. As it is double insulated, it is not necessary to ground when handling this tool.
4. It is distributed with a safety load transformer.
5. If there is overheating in the battery charge, it will automatically stop the charging process.
6. Do not dispose of chargers in household waste.
7. Do not dispose of exhausted or damaged batteries in household waste.

2.2 Intended use

The pruning shears with the bead is an electric tool and consists of a fixed blade, a mobile cutting blade, a lithium battery, an adapted charger, a connection cable, a tool bag and a transport case. The charging voltage ranges from 110V-240V AC.

The main application of this scissors is for the pruning of branches in fruit trees, treatment and maintenance of orchard or fruit plants such as vineyards or similar. This tool achieves great work efficiency and saves a lot of time and effort compared to traditional manual pruning with mechanical shears. Its efficiency is established between 8 and 10 times higher than manual pruning. The quality of the cut and its speed is also notably superior to the traditional manual pruning.

2.3 Technical data

BASIC INFORMATION ABOUT PRUNING SHEARS	
Working voltage	DC 21V
Weight	1.2 Kg (connection cable not included)
Battery	Lithium Ion 21V 2Ah
Charging voltage	AC 110V - 240V
Battery charging time	2-3 hours
Working time	3 - 4 h (discontinuous work)

CUTTING RANGES	
Cutting diameter	30mm
Working temperatures	-10°C -65°C



Read all safety instructions carefully. You may suffer electric shock, fire or burns if you do not follow the safety instructions.



Do not use or directly expose the pruning shears to rain.



While working with the pruning shears, do not close or manipulate the cutting blades with your hands. Take special care to bring any part of your body close to sharp moving parts.

2.4 Identification of parts



1. Cutting blade
2. Cutting blade support
3. Gear
4. Actuation trigger
5. Lithium battery
6. Battery charger
7. On/off switch



3. Use and maintenance

3.1 Commissioning

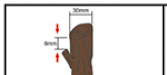
1. Remove the machine from the packaging. Install the lithium battery, press and hold the power switch for three seconds, and then release it. You should hear the sound of two beeps; this means that the battery is normally charged.
2. Press the trigger continuously and quickly twice to open the blade automatically.
3. Before starting work, press the trigger to operate the blade several times and listen for unusual noises or working speed that is too fast or too slow. If everything is normal, you can start working.
4. Shutdown: Press the trigger and release after you hear a beep three times. The blade will close automatically.

3.2 Tips for use



Note:(1) The machine may overheat after a long time of use, this is a normal phenomenon. Let the machine cool down for a while, and you can use it again when the temperature drops.

(2) After completing the pruning work, at the end of the season, or when replacing the blade, and need to remove the blade, please add lubricating oil for the maintenance of the blade and cutting system.



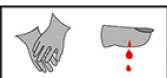
While pruning, start pruning about 8mm from the shoot; the maximum cutting diameter is 30mm.



Prune at the furthest part of the shoot to prevent sap loss from the plant.



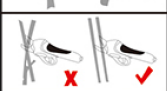
Do not prune branches too far down the tree, as this will reduce the health of the plant. Leave a small section of the branch to avoid stress to the plant.



While you are working with the scissors, keep your hands away from the cutting blades and wear suitable gloves and protective equipment.



Remove diseased shoots and remove dead branches on the plant.



When pruning a tree, prune each branch separately and do not cut multiple branches at once.

3.3 Battery charging

The battery of a new machine is not fully charged. Before charging, insert the battery into the charger and insert the charger plug into the power outlet. As shown in the image on the right, the red indicator light shows that the battery is charging; the green indicator light indicates that the battery is charged. Use the scissor after full battery charges.



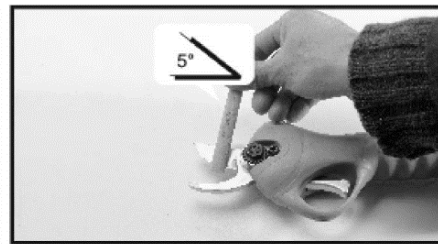
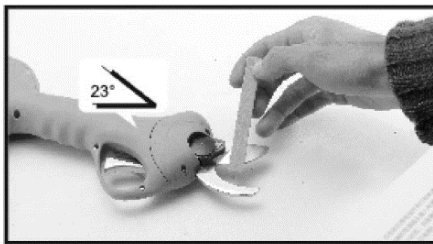
3.4 Special attention

1. Before charging, please turn off the switch; During charging, it is normal to have a slightly warm charger and batteries.
2. If the batteries are not used for a long time, they need to be recharged every 3 months to increase the service life;
3. New batteries or batteries not used for a long time will reach full capacity after 5 times of charge-discharge cycles;
4. Do not charge the batteries repeatedly after several minutes of operation, this may reduce the working time and the effectiveness of the batteries.

5. Do not use damaged batteries or disassemble the charger or batteries.
6. Batteries may explode in fire. Never burn batteries.
7. Do not charge batteries outdoors or in humid environments.
8. With the gradual decrease of the electric quantity of the battery, it is normal to reduce the capacity of the cutting diameter.
9. During the charging process, do not use electric pruning shears.

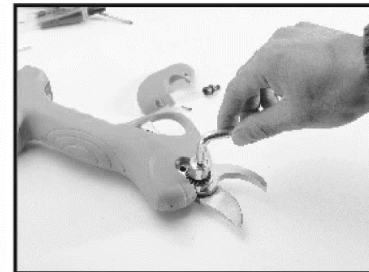
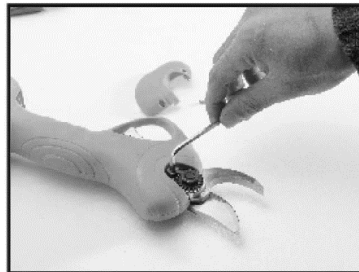
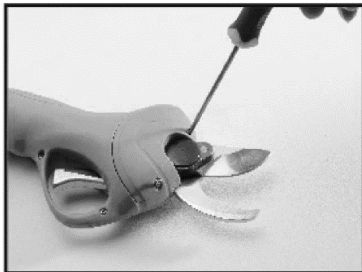
3.5 Blade sharpening

1. Turn off the shear with open blade and remove the battery.
2. Both sides of the movable blade are sharpened using a sharpening stone at the angle of section with the blade;
3. After sharpening the blade, clean it, connect and turn on the scissor, test that it moves correctly and close the blade for future work.

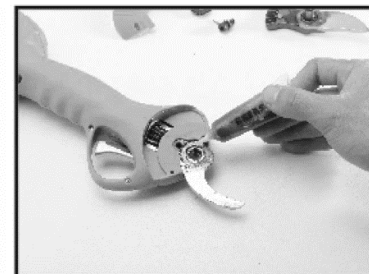
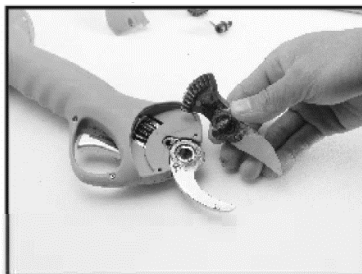


3.6 Blade replacement

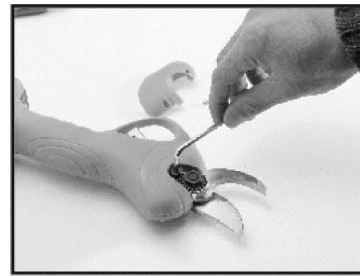
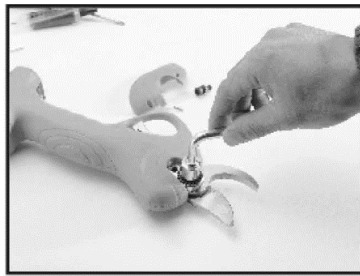
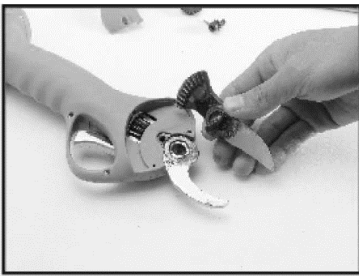
1. To ensure your safety, please remove the battery before handling the blade.
2. Step by step as below replace the blade.
3. After the replacement, clean the blade, turn on the shear and test to see that everything is correct.




1. Remove the screws with a screwdriver and open the cover.
2. Remove the screws from the blade nut retainer (this step is important)
3. Remove the blade nut



4. Disassemble the pin and remove the movable blade.
5. Remove the stationary knife.
6. When replacing the blades, lubricating oil should be added between the blades.



7. Replace blade
8. Insert nut
9. Install lock nut

 Support knife and movable knife can be replaced independently; As a replacement, don't worry about too small a blade opening; After recovering the electricity of the scissor, the normal opening size will recover automatically.

4. Maintenance

4.1 Scissor maintenance

1. Do not cut branches outside the cutting range; do not cut non-vegetable materials, such as metals and stones, etc. do not use clamps or the like to hold the scissors; always replace the cutting blade, if it is worn or damaged.
2. Keep the cutting equipment clean, clean the scissors, batteries and charger with a clean cloth (do not use corrosive detergents!) and a soft brush or dry cloth to clean the dust on the upper scissors.
3. Do not immerse scissors, batteries, and charger in water or other liquids;
4. Use the equipment correctly; stop using it when there is damage to the scissor, batteries and/or chargers.
5. If the switch can't turn the scissor on or off, please don't use the scissor. It will be dangerous to control the scissor without the switch properly. Replace and repair the switch in this case always before using the scissor again.
6. Make sure the switch keeps the shear off when replacing accessories or storing the pruning shears. Such a preventative measure will reduce the risk of accidentally activating the scissor and causing injury to the user.
7. Turn off the pruning shears if you are not going to use them and store them out of the reach of children. It is dangerous to allow inexperienced persons and untrained users to operate the pruning shears.
8. When using pruning shears, respect the tool and its specific use for which it was designed. Consider the work environment and the tasks to be performed; You can cause hazards and damage by using improperly functioning pruning shears.
9. After use, please remove the dirt on the movable knife and the supporting knife, add lubricating oil or motor oil on the contact part, make the knife keep in good sharp state to extend its service life and to next uses.

4.2 Battery maintenance

1. Use the battery as the only valid power source for your electric pruning shears. Do not use the battery as a power source for any other power tools not listed.
2. Do not charge the battery in temperatures below 0°C or above 45°C; this can damage the battery and charger.
3. Make sure the battery switch is turned off before connecting the power cord; if it were open it could create a problem when connecting to the scissor.
4. Use only the charger assigned by the manufacturer to charge the battery; It may cause battery fire

- or explosion if you use chargers with improper power.
5. When the battery is not in use, be sure to keep it away from metal objects such as clips, coins, keys, screws, etc., which may shorten the battery charge or cause unintentional discharge or fire hazard.
 6. Do not disassemble or rebuild the battery.
 7. Do not use damaged or short-circuited batteries.
 8. Do not place the battery on hot surfaces or heat sources; Do not expose it directly to the sun.
 9. Do not put the battery near fire or in contact with water.
 10. Do not charge the battery near fire or under direct sunlight.
 11. Do not drive nails or other objects into the battery; do not hit it with hammers or trample on it, and do not throw the battery on the ground hastily.
 12. Do not use damaged or deformed batteries.
 13. Do not solder batteries directly.
 14. Do not reverse charge batteries; Please do not use them in an anti-polar way or discharge them excessively.
 15. Do not connect the battery to charging sockets or car cigarette lighter sockets.
 16. Do not use the battery in unsuitable or approved equipment.
 17. Do not connect several batteries in a network.
 18. Do not connect the battery with other lithium batteries directly.
 19. Do not put the battery in containers with high temperatures or high pressure, such as microwaves, etc.
 20. Do not use batteries that are leaking.
 21. Do not allow children access to the battery.
 22. Do not use or place the battery directly under the influence of the sun (or in cars under direct sunlight); it can cause overheating and cause a fire in the battery; or shorten its life cycle without further ado.
 23. Do not use the battery in places with influence of static energy (+ 64 V)
 24. When using the battery for the first time, stop using it and return it to your sales center if: there is any kind of corrosion, unpleasant odors or other strange phenomena.
 25. If there has been any leakage on the skin or clothing of the internal battery fluid, wash it immediately with plenty of water.
 26. If the scissors are to be stored for a long time, fully charge the battery before storing.

5. Safety instructions

ATTENTION: Please read these instructions carefully to avoid damage such as electric shock, fire or other serious damage.

Location:

1. Work in clean, uncluttered areas. Work in bright areas. Dark or messy workplaces can cause accidents.
2. Do not use the scissors in places with risk of fire, explosives or humidity.
3. Avoid distractions at work and invite any children or passersby leaving the work area to prevent them from entertaining you.

Electricity:

1. The electric plug of the battery and the one of the scissor should be easily attached; do not connect any other socket instead.
2. Do not expose the scissors or the battery to rain or very humid environments. Water or other liquids may increase the risk of electric shock or damage to other electrical appliances.
3. Do not force the connection cables; do not use power cords as ropes or points from which to drag or hold the tool directly. Do not pull on the cable to unplug the connections. Keep the scissor and its cables away from sources of heat, oil, sharp edges or moving parts. Do not use the charger if the power cord or plug is damaged.

Staff:

1. Stay alert: while using the scissors be aware of the elements that may exist in your work area; Do not use the scissors if you are tired, or under the influence of medication or drugs that affect your abilities. Any distraction can cause serious damage.
2. Use protective elements and always wear protective glasses, anti-dust mask, anti-slip footwear and a safety helmet. Use each item under its proper conditions of use to reduce the risk of accidents.
3. Before connecting the pruning shears, remove any tools used for adjustment or maintenance. Avoid contact of the scissors with parts that could cause accidents.
4. While you are working, do not overstretch your arms and work in a stable and comfortable position; Do not handle the burning scissor directly with your hands. Make sure that the work area does not have other materials that could be damaged while pruning, such as power cables, wires, etc.; and maintain a balanced position to ensure a good reaction in the event of an accident or fall.
5. Dress appropriately for the work to be performed: do not wear very loose clothing or with the risk of being caught in the scissors or in other trees for your discomfort or insecurity; keep hair, clothing and sleeves away from the cutting area of the scissors.

General:

1. When you do not have any branches to be cut by the shear, release the trigger and hold the shear in its open position.
2. When the branches are very tough, release the trigger and the blade will return to the open position to withdraw and try cutting in another area.
3. If the battery does not charge normally, please check whether the charger is suitable for the battery first, and then check whether the charging voltage is suitable with that of the battery.
4. If there is any electrical or mechanical damage, turn off the battery immediately.
5. If the battery is leaking; do not touch the liquid under any circumstances; if you come into contact with the liquid, wash immediately with plenty of water; If the liquid gets into your eyes, see a doctor immediately and rinse with plenty of water.

6. Recycling and the environment



If your machine needs to be replaced after prolonged use, do not put it in the household waste, dispose of it in an environmentally safe way and in accordance with the legal provisions in this regard in your locality.

7. Warranty

This product is guaranteed in accordance with legal regulations for a period of 24 months from the date of purchase by the first user.

This guarantee covers all material or production faults, it does not include defects in normal wear parts, such as bearings, brushes, cables, plugs or other accessories such as drills, bits, saw blades, etc., damages or defects resulting from abuse, accidents or alterations in the product; nor the costs of transport to technical service in your case.

We reserve the right to reject any claim where the purchase cannot be verified or where it is clear that the product was not properly maintained. (Clean ventilation slots, regularly maintained carbon brushes, sharpening of cutting blades, state of cleanliness and lubrication, etc.)

Your purchase invoice must be kept as proof of the date of purchase and application of the corresponding guarantee.

Your tool must be returned without disassembling to your distributor in an acceptable and clean state, in its original molded box, if applicable to the unit, accompanied by your proof of purchase for any type of claim or incident.

8. CE certificate



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DISTRIBUTION COMPANY

MILLASUR, SL
RUA EDUARDO PONDAL, Nº 23 PISIGÜEIRO
15688 OROSO - A CORUÑA
SPAIN

EC DECLARATION OF CONFORMITY

In compliance with the different CE directives, this document confirms that, due to its design and construction, and according to the CE mark printed on it by the manufacturer, the machine identified in this document complies with the pertinent and fundamental health and safety requirements. of the aforementioned EC directives. This declaration validates the product to display the CE symbol.

In the event that the machine is modified and this modification is not approved by the manufacturer and communicated to the distributor, this declaration will lose its value and validity.

Name of the machine: BATTERY PRUNING SCISSORS

Model: **TPB3002**

Recognized and approved standard to which it conforms:

Directive 2006/42/CE / Directive 2014/30/EU / Directive 2014/35/EU

Company seal

milasur
Rúa Eduardo Pondal, nº 23
Pol. Ind. Sigüeiro - 15688 Oroso - A Coruña
Tlf. 981 696465 / Fax. 981 690861

11/11/2019