



INSTRUCTIONS ASTERAS MAX



Angelis olive harvesting machines are distinguished for their quality and reliability as well as for the continuous improvements and creation of new models.

Safety rules:

- A. Wear eye protection.
- B. Wear work gloves.
- C. Do not work in the rain.
- D. Do not misuse the power cable.

All our machines have CE certificate. They are suitable for the collection of all kinds of olives.



ENVIRONMENTAL PROTECTION

Your equipment contains numerous materials which can be valorized or recycled. Entrust these to your reseller or to an approved service center so that they can be correctly disposed. Comply with the regulations in force in your country that concerns environmental protection associated with your activity.



MAINTENANCE

Before performing any maintenance work, remove *ASTERAS MAX* from the source of electricity current (battery or generator).

At the end of the season or before the start of the new one, a thorough review by a specialist representative is recommended, where the following actions are taken:

- Complete cleaning and greasing of the olive harvesting machine.
- Gear control.
- Bearings control.
- Check of electrical connections (terminals, cables, etc.)

POWER SUPPLY

Angelis machines operate ideally with **DC 14-16V** and consume 8A/h.

1. Battery 12Volt

ASTERAS MAX can operate with a 12V 80-100A battery discharge, or a simple car battery for continuous 8-hour operation. Battery life depends on the type and morphology of the olive tree and how the machine is used.

For proper maintenance of the battery it should be charged immediately after use, and not discharged less than 50%.

For the best performance use the machine with an added converter (up to 19v).

2. Lithium Battery (backpack or ground)

ASTERAS MAX can operate with a lithium battery, as long as its voltage output is between **12v -19v**. For the best performance we recommend using a lithium battery of 14-16v.

3. Generator 12Volt

ASTERAS MAX works with a generator DC12Volt, as long as the output **does not exceed 19v**.

MANUAL

We connect *ASTERAS MAX* to the battery or generator.

There is no polarity. The machine can work either clockwise or counter-clockwise. We recommend connecting the **red** cable to the **positive** pole (+) and the **black** to the **negative** (-) pole.

ASTERAS MAX starts and stops with an ON/ OFF switch. The speed varies based on the voltage output of the power supply. Reference speed is 2000 RPM @ 16v.

As long as it remains connected to a battery or generator, you can start and stop without delay.

TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
The harvesting machine does not start	Damaged cable or switch	Check the power cable for broken/black spots – functionality of switch
	Low voltage	The power supply voltage should be between 12v and 19v
The head combs do not have torque	Battery is discharged	Recharge the battery
The motor is working but the head is not moving	The rotation shaft is broken	Visit your nearest representative