

**MAXI  
GRINDER**

**MODEL  
KING  
V3**



# **OPERATION AND INSTRUCTION MANUAL**



# MAXI GRINDER

## MODEL KING V3

### ION+ INDUSTRIES

#### 1. Introduction

Thank you for trusting ION+INDUSTRIES.

This manual contains all the necessary information for the correct installation, use, maintenance, and safety of the CBD/THC flower and biomass grinding machine.

Please carefully follow the instructions to ensure optimal and safe operation of the equipment.

#### 2. Equipment Description

The MAXI GRINDER machine is designed to grind CBD/THC flowers or biomass, obtaining a product ready to be introduced into a pollinator or into our PRESTATIK equipment.

It features a motor of varying power (depending on the model) that drives an aluminum shaft with a series of rubber appendages. When rotating, these appendages strike the flowers or biomass, breaking them down in just a few seconds.

Main components:

Tilting frame and barrel made of stainless steel

Internal shaft made of aluminum

Rubber appendages

Polycarbonate door

#### 3. Instalation

- 1.Place the machine on a level and stable surface.
- 2.Connect the power cable to a 220 V single-phase grounded outlet.
- 3.Check that the door is properly closed before starting operation.
- 4.Check that the rubber appendages are correctly fixed in position (they must be equally spaced on both sides).
- 5.Make sure the product to be used is sufficiently dry before inserting it.

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#### **4. Electrical Connections**

- Power supply: 110–220 V single-phase / max. 5A
- Ground connection: mandatory
- Noise level: 75 dB

#### **5. Operating Instructions**

1. Connect the machine to the power supply.
2. Activate the ON/OFF button located next to the power inlet.
3. Make sure the emergency stop button is not engaged.
4. Place the barrel in a vertical or upward-tilted position to comfortably load the product  
(to do this, loosen the lever located on the side of the machine).
5. Remove the magnetic lid to open the barrel and insert material until it is approximately 50% full.
6. Replace the magnetic lid to close the barrel.
7. Place the barrel in a horizontal position (as described in step 4).
8. Start the work cycle by pressing the red “play/pause” button  
(the work cycle will start with a preset time of 10 seconds<sup>\*\*</sup>; this time can be edited following the instructions in the “Time Editing” section).
9. Place the barrel in a vertical or downward-tilted position to comfortably unload the product (loosen the lever on the side of the machine).

##### **Time editing:**

The working time can be edited, increasing or decreasing it as necessary. To do this, double-press the SET button on the controller; the green digits (working time) will start flashing. Use the up and down arrows above and below the SET button to increase or decrease the time. Once the green value has been modified, press SET again to confirm it.

**The red digits must always be set to “00”** (these digits indicate stop time and no value should be entered here)

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#### **Description of the process:**

Once the machine is activated, the internal shaft starts rotating and its appendages strike the product inside, breaking it down and obtaining a product ready to be introduced into a pollinator or any of our PRESTATIK equipment.

#### **6. Control Panel and Settings**

The control panel includes:

- Main ON/OFF switch
- Emergency stop button
- Work cycle controller

#### **7. Safety**



##### **Important precautions:**

- Do not operate with the door open.
- Do not insert hands or tools into the working area while the machine is running.
- Do not use in humid environments or with flammable liquids.
- Disconnect the equipment before performing any cleaning or maintenance.
- Ensure the ground connection before starting operation.

##### **Integrated protections:**

- Protective fuses
- Ground connection
- Polycarbonate door
- Emergency stop button

#### **8. Cleaning and Maintenance**

- Clean the equipment every 8 hours of operation.
- Use a dry cloth, compressed air, or isopropyl alcohol to remove dust and biomass residues.

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- Do not use water, abrasive products, or solvents other than isopropyl alcohol.

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- Check that the appendages have not suffered damage or breakage.
- Periodically check the tightness of the appendage screws.
- Always disconnect the equipment from the power supply before cleaning.

## **9. Troubleshooting**

Problem / Possible Cause / Solution

The machine does not start

Emergency stop activated, no power supply, or blown fuse

- Check that the emergency stop is disengaged, verify the electrical connection, and check the fuses.

The motor starts but does not grind correctly

Excessive load or material too moist

- Reduce the amount of biomass (max. 50% of the barrel) and ensure the material is sufficiently dry.

Irregular or excessively coarse grinding

Insufficient working time or worn appendages

- Increase the cycle time from the controller and check the condition of the rubber appendages.

Excessive vibrations during operation

Appendages poorly fixed or loose screws

- Check screw tightness and ensure the appendages are properly aligned and equally spaced.

Abnormal noise or metallic impacts

Foreign object inside or damaged appendages

- Stop the machine, disconnect it from the power supply, remove any foreign objects, and replace damaged appendages.

The barrel does not tilt correctly

Side lever incorrectly adjusted or mechanical blockage

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-Check the lever adjustment and remove any biomass residues that may obstruct movement.

The machine stops during the cycle

Motor overload or incorrectly set stop time

-Reduce the material load and check that the red digits on the controller are set to "00".

Material accumulation inside

Lack of cleaning or very resinous biomass

-Clean with isopropyl alcohol and slightly increase the working time if necessary.

Door does not close properly

Dirt in the latch or misalignment

-Clean the closing area and verify correct positioning of the polycarbonate door.

## **10. Technical Data**

### **Parameter / Value**

Power supply: 110–220 V single-phase

Maximum current: 5A

### **Dimensions:**

King 1040x900x1350mm/70kg/250 litros

Noise level: 75 dB

Chassis and barrel material: Stainless steel

Drive shaft: Aluminum

Appendages: Rubber

Door: Polycarbonate

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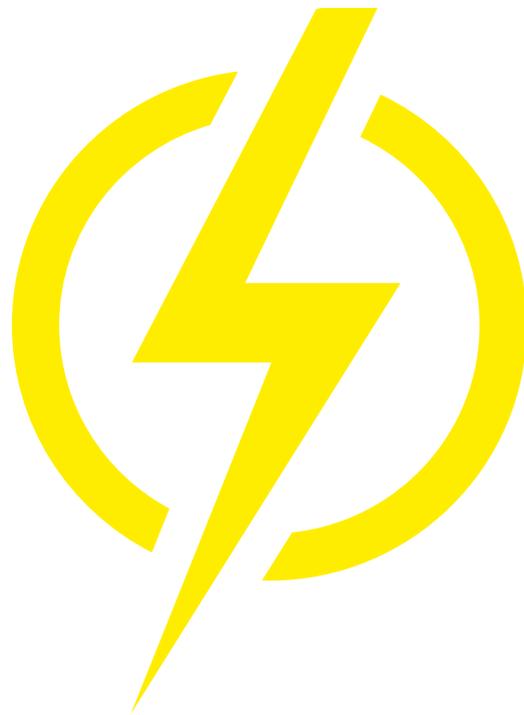
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## **11. Warranty**

- Motor: 3-year warranty
- Time controller: 3-year warranty
- The warranty does not cover damage caused by improper use, impacts, moisture, or unauthorized modifications.
- The use of original ION+INDUSTRIES spare parts is recommended.

## **12. Technical Service**

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