

TRUFROST & BUTLER

USER MANUAL

**Coffee Grinder:
Ethos**

User Manual

Ethos



Content

1 Preface	4 -
2 Product Configuration.....	5 -
3 Product parameter.....	6 -
4. Placement & wiring.....	7 -
5. Installation & Setup	8 -
5.1 Machine installation	8 -
5.2 Control Panel.....	8 -
5.2.1 Homepage(Time)	8 -
5.2.2 Homepage(Weight)	9 -
5.2.3 Left Menu- User parameters	9 -
5.2.4 Right Menu- Device parameters.....	10 -
5.3 Setup Grinding Time	11 -
5.4 Coarseness Adjustment	11 -
5.5 Grinding Modes	12 -
5.6 Weight Calibration	13 -
5.7 Weight Compensation	14 -
6. Cleaning & Maintenance	15 -
6.1 Clean the hopper	15 -
6.2 Cleaning the grinding system	15 -
7. Safety.....	16 -
8. Precautions	17 -

1 Preface

Please read this manual carefully before using the appliance, because the manual contains important instructions for the safety, operation and maintenance of the appliance. Please keep this manual properly. The manufacturer reserves the right to make and change the product and manual.

When opening the package, please check carefully to make sure that the appliance does not show any signs of damage. If you have any questions, please do not use the device and contact a qualified professional.

Packaging materials must be placed out of the reach of children, because such materials may pose a potential threat to children. Please keep this packaging until the end of the warranty period.

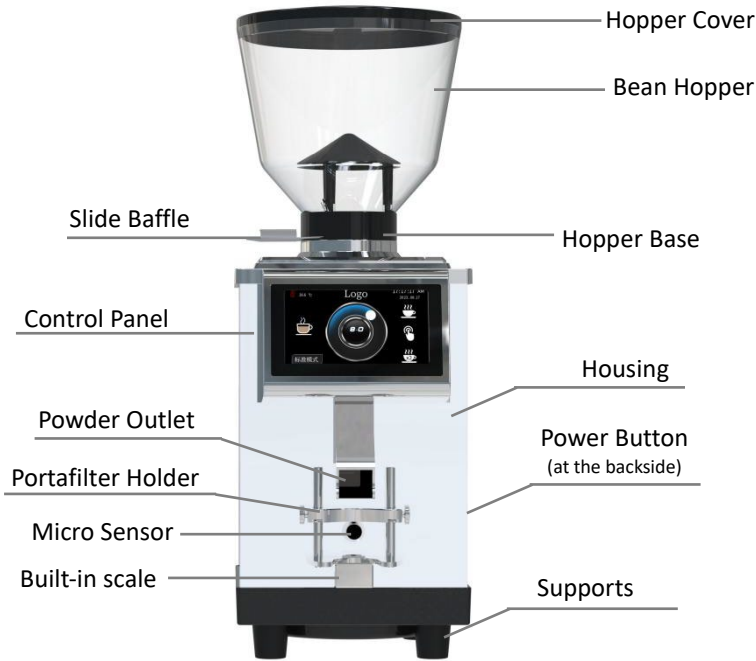
Do not throw away at will. Please dispose of the packaging materials of the product in accordance with relevant laws and regulations.

You decide not to use the device, please be sure to unplug the power plug to ensure the safety of the electrical appliance. For information on the disposal of electrical components, please consult a professional company.

This appliance is designed to grind coffee beans. To avoid danger, please do not use this appliance for other purposes. The manufacturer will not bear any responsibility for any danger caused by improper use or incorrect use.

Do not use this electrical equipment to grind other types of products or objects. Do not use the coffee bean bin to store other products or weigh other foods. This electrical appliance is only suitable for professional use by professionals, the user must be an adult, and children are not allowed to use the electrical equipment.

2 Product Configuration



Hopper cover	1 PC	Bean Hopper	1PC	Main body	1 PC
Powder tray	1 PC	Power Line	1PC	User manual	1PC

Noise level

EEC countries:

The maximum noise level of our product is 78 dB(A). Test distance: 30cm away from the machine.

United States and Canada:

The noise level of electrical appliances is included in the US regulations 29 CFR 1910.95 (‘Occupational Health and Environment Control- Occupational noise exposure’), and it can be exposed for 8 hours a day (the noise exposure is limited to the operation of the equipment).

The same new electrical appliance has been determined to be the above noise level.

3 Product parameter



Model	Ethos	Hopper capacity	850-1000g
Voltage	220V-240V	Frequency	50/60/70HZ
Power	400-800W DC motor	Rotate Speed	1800-2400 rpm
Blades Material	Titanium coating	Size of blades	83mm flat burr
Machine Size (W*D*H)	200*300*355mm	Meas.	29x38x70cm
G.W.	13.5 KGS	N.W.	11 KGS

4. Placement & wiring

The appliance must be installed by professional and technical personnel.

Incorrect installation may cause personal injury or product damage, for which the manufacturer will not bear any responsibility.

Clean the device carefully after installation, please follow the cleaning and maintenance instructions.



① The electrical appliance must be placed in a stable position, and the recommended distance from the ground is 80-100cm.



② Before plugging in the appliance, make sure that the socket voltage matches the frequency and the data on the appliance technical label. Ensure that the rating of the system meets the electrical consumption rate—as indicated on the technical data label, and that the socket used is protected against overcurrent.



③ The socket must be equipped with an effective grounding device to ensure that the grounding system is effective. If you fail to comply with the regulations, the manufacturer will not bear any responsibility.



④ Do not use extension cables, multi-socket plug adapters or temporary connection devices.



⑤ In EEC member states, current regulations require that the external equipotential terminal on the electrical base must be connected to the equipotential node to achieve correct installation.



⑥ The motor rotates clockwise. The reverse motor cannot be used, and the operation of this machine must be performed by professional technicians.



⑦ This equipment is only suitable for indoor use. Do not use this equipment outdoors.



⑧ Do not install the device near the water dispenser or accidentally spill water on the device.

5. Installation & Setup

5.1 Machine installation



Locking screw

Slot at hopper base

1. Take out the bean hopper, align the notch located in the hopper base with the locking screw and press it down, Turn the hopper clockwise to snap it in, and tighten the screws with a screwdriver.

2. Rotate the baffle of the bean hopper to open, pour coffee beans into the hopper, and close the hopper cover.

3. Connect the power supply, turn the power switch located at the back of the main body. Press to "1" to power on. When shutting down, press the power switch to "0".

5.2 Control Panel

5.2.1 Homepage(Time)

Temperature

26.6 °C

Grinding Mode

Standard

Click to swift 4 modes.

Dynamic process display

Time: tap to revise

17:17:17 AM

2023.08.17

Date: tap to revise

Single dose button and time

2.0 S

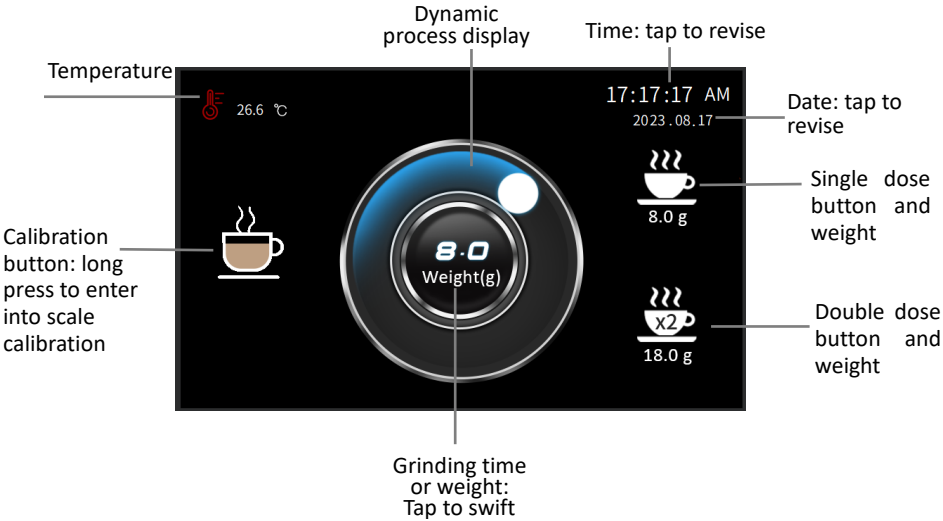
Manual button

Double dose button and time

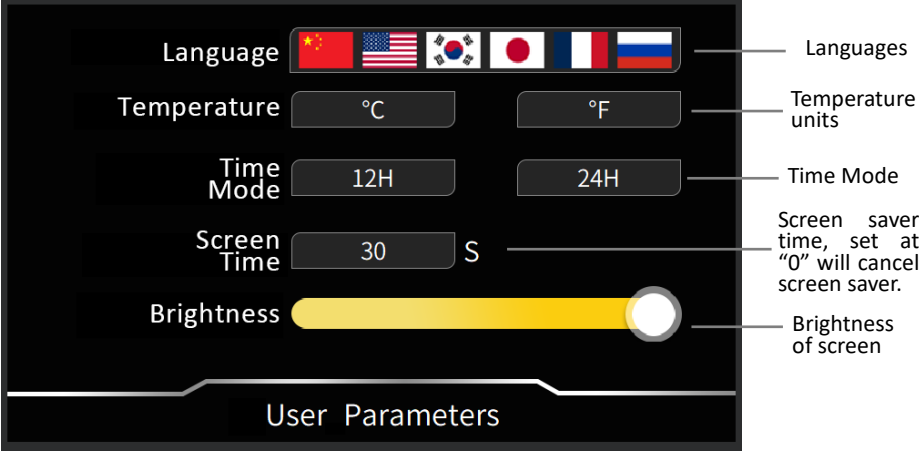
3.0 S

Grinding time or weight: Tap to swift

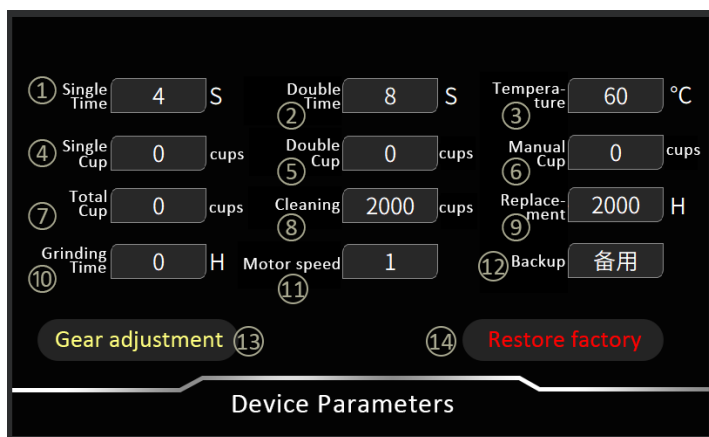
5.2.2 Homepage(Weight)



5.2.3 Left Menu- User parameters

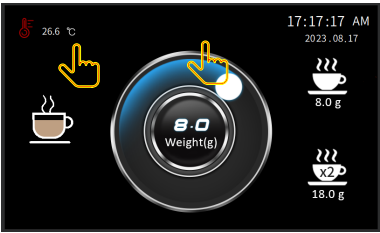


5.2.4 Right Menu- Device parameters

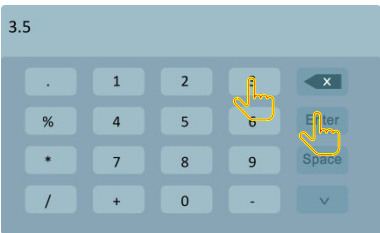


- ① Single Time: tap the number to revise single dose grinding time in seconds.
- ② Double Time: tap the number to revise double dose grinding time in seconds.
- ③ Temperature: protection temperature.
- ④ Single Cup: counter of single dose. Tap the number to clear.
- ⑤ Double Cup: counter of double dose. Tap the number to clear.
- ⑥ Manual Cup: counter of manual dose. Tap the number to clear.
- ⑦ Total Cup: counter of total grinding cups. Not modifiable.
- ⑧ Cleaning: When the machine grinding reach 2000 cups, the maintenance alert "Cleaning" will appear on homepage. Tap the number to clear.
- ⑨ Replacement: When the machine grinding reach 2000 hours, the maintenance alert "Replacement" will appear on homepage. Tap the number to clear.
- ⑩ Grinding Time: total grinding time counter.
- ⑪ Motor speed: tap the number to adjust speed. 1-4 levels for optional, the bigger the number, the faster the speed.
- ⑫ Backup: for expanding function in future version.
- ⑬ Gear adjustment: to adjust the powder coarseness, tap to enter sub-menu.
- ⑭ Restore factory: reset to default data.

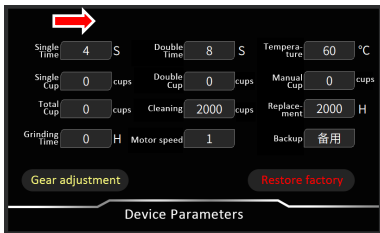
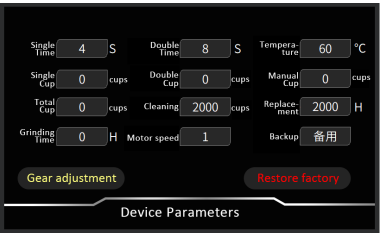
5.3 Setup Grinding Time



2. Tap the number of "single time" or "double time" to enter into pop-up digital menu;

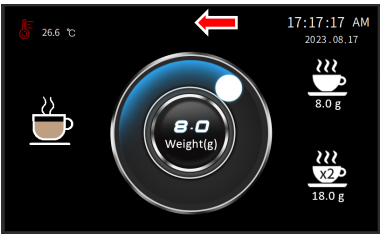


3. Enter new time such as "3.5", and then press "Enter" to confirm to return to the right menu;

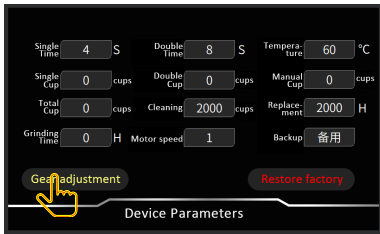


4. Swipe the screen from left to right to return to the homepage.

5.4 Coarseness Adjustment



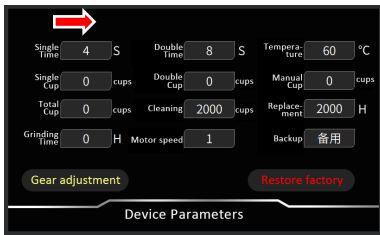
1. Swipe the homepage from right to left to enter the right menu;



2. Tap the "Gear adjustment" at the lower left corner to enter into pop-up digital menu;



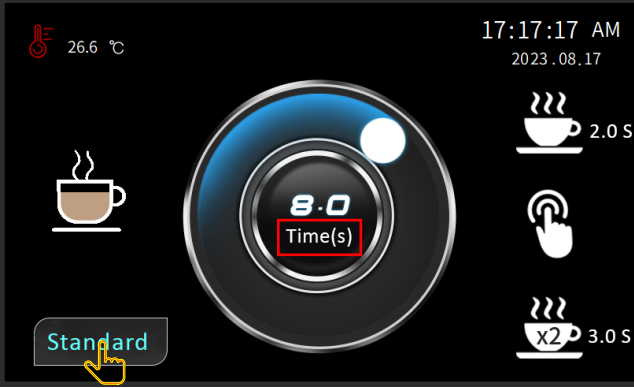
3. In the gear menu, tap the wheel for integer number 1-10 or "+", "-" to fine-tune ± 0.1 , the larger the number, the coarser the powder.



4. Swipe the screen from left to right to return to the homepage.

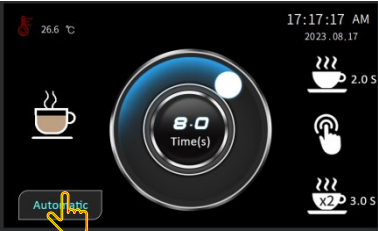
5.5 Grinding Modes

Make sure the homepage is based on “Time(s)” not “Weight(g)”, tap the left corner to swift 4 grinding modes on homepage to activate different grinding methods.



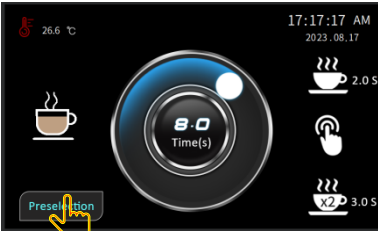
Standard Mode:

1. press single or double dose button at homepage,
2. Press the micro sensor to start grinding.



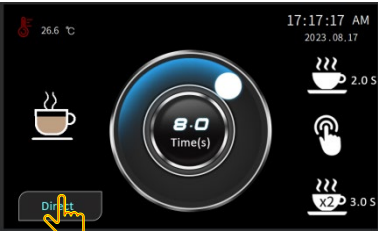
Automatic Mode:

1. Press the micro sensor to start grinding.
2. Press one time for single dose, twice for double dose.



Pre-selection Mode:

1. Select single or double dose button at homepage;
2. Press the micro sensor to start grinding;
3. For the later grinding, press the micro sensor only.

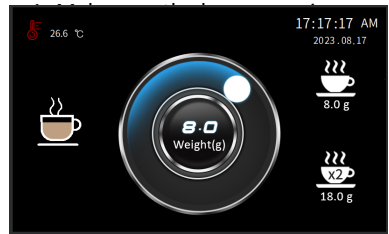


Direct Mode:

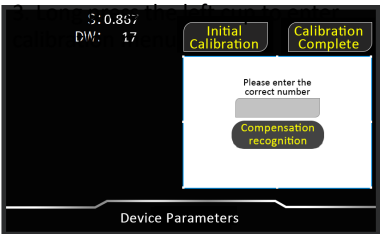
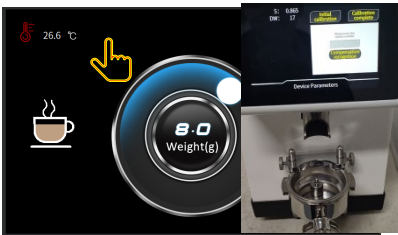
Press single or double dose button at homepage to activate grinding directly.

5.6 Weight Calibration

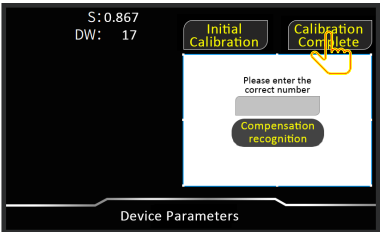
When the grinding by weight not in correct scale, you need to calibrate by a standard 20g balance weights.



2. Put an empty portafilter into the holder.



4. Tap “Initial calibration” and put the 20g balance weights into the portafilter.



5. Tap “Calibration Complete” to finish calibration. Now the system is working based on standard 20g weight.

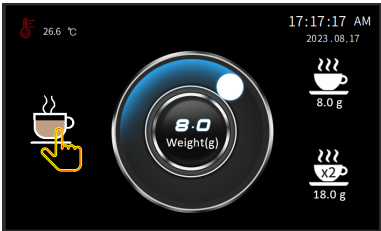
5.7 Weight Compensation

When the grinding by weight over or lower the setting weight, you could correct the grinding weight back to setting data.

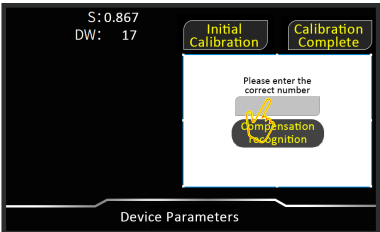
E.g.: The grinding weight is set on 20g, the real grinding weight is 20.3g or 19.7g, to set the compensation data, the system will correct the grinding back to 20g.



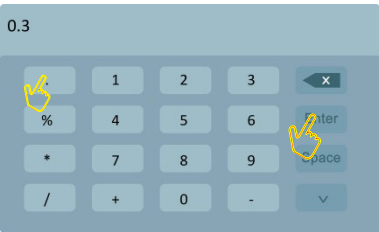
1. Make sure the homepage is based on Weight(g), if on Time(s), tap it again to Weight(g).



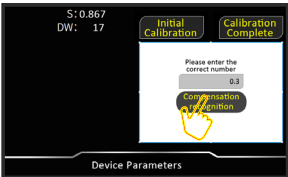
2. Long press the left cup to enter calibration menu.



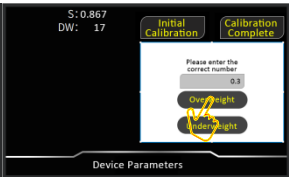
3. Tap the box to enter a digital keyboard;



4. Enter the grams need to increase or decrease to correct weight. Enter compensation weight 0.3 into the box and tap "Enter".

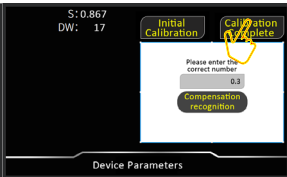


5. Tap "compensation recognition".



6. If the grinding weight is 20.3g, tap "Overweight";

If the grinding weight is 19.7g, tap "Underweight".



7. Tap "Calibration Complete" to finish calibration.

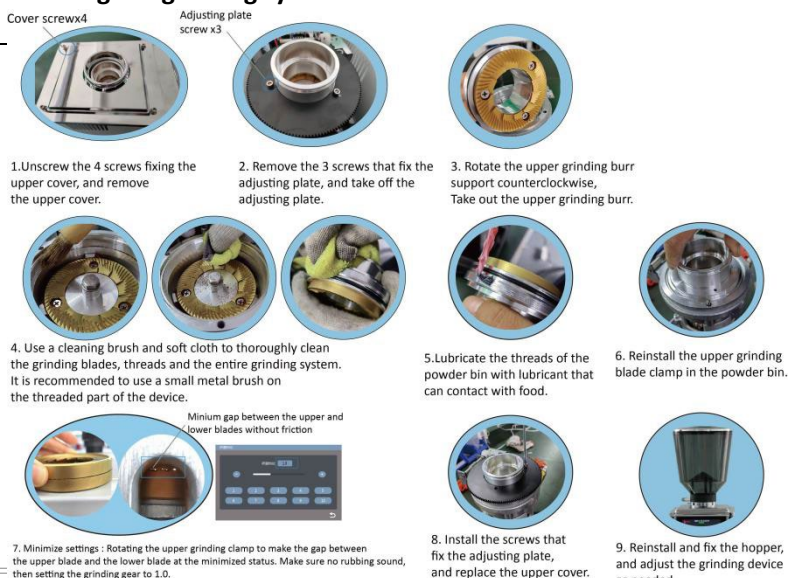
6. Cleaning & Maintenance

- Before cleaning, please pull out the power plug to disconnect the electrical power.
- Do not use water spray to clean the appliance.
- Do not install electrical appliances in rooms where water sprays are used for cleaning.
- Appliances can only be cleaned regularly by professional and technical personnel.
- Do not use corrosive products, as such products may tarnish shiny parts.
- Please contact professional and technical personnel for a thorough cleaning operation if necessary.

6.1 Clean the hopper

- When removing the hopper from the electrical appliance, it should be cleaned immediately (unscrew the corresponding fastening screw),
- Please use neutral soap and water, wash thoroughly with cold water, and then dry thoroughly.
- We recommend that users clean the hopper regularly.
- After cleaning the hopper, the hopper must be installed on the upper grinding blade fixture of the machine and locked with a locking screw.

6.2 Cleaning the grinding system

- 
- 1.** Unscrew the 4 screws fixing the upper cover, and remove the upper cover.
- 2.** Remove the 3 screws that fix the adjusting plate, and take off the adjusting plate.
- 3.** Rotate the upper grinding burr support counterclockwise, Take out the upper grinding burr.
- 4.** Use a cleaning brush and soft cloth to thoroughly clean the grinding blades, threads and the entire grinding system. It is recommended to use a small metal brush on the threaded part of the device.
- 5.** Lubricate the threads of the powder bin with lubricant that can contact with food.
- 6.** Reinstall the upper grinding blade clamp in the powder bin.
- 7.** Minimize settings : Rotating the upper grinding clamp to make the gap between the upper blade and the lower blade at the minimized status. Make sure no rubbing sound, then setting the grinding gear to 1.0.
- 8.** Install the screws that fix the adjusting plate, and adjust the grinding device as needed.
- 9.** Reinstall and fix the hopper, and adjust the grinding device as needed.

Tips: After hearing the rubbing sound, fine-tune the upper grinding clamp in the opposite direction until there is no sound, which is the smallest state.

7. Safety

Thermal overload protection

- When the electric motor of the electric appliance prevents overheating and tripping caused by overcurrent through the thermal overload protection device, the power supply of the motor can be cut off.
- If the protection device trips due to abnormal operation (such as a stuck grinding blade), you must use a switch to turn off the appliance, then disconnect the power supply of the appliance, and contact a professional technician.
- Do not perform any operations when the machine is energized to avoid accidental turning on of the motor.
- If the appliance overheats due to the motor stopping, let the appliance cool down sufficiently when performing any maintenance operations.

Security screw

- Hopper must always be attached to the upper grinding blade fixture with a locking screw, and the user is not allowed to remove the screw under any circumstances.
- In order to prevent the adjustment disc from being removed (which will expose the rotating parts), the actual adjustment disc is equipped with a safety screw: the screw must be positioned in one of the two holes on the adjustment disc in order to expand the grinding adjustment range and achieve the best grinding effect , The user is not allowed to remove the safety screw under any circumstances.

Coffee outlet protection device

The coffee outlet protection must always be fixed on the dispensing unit (grinding dispenser) or at the funnel (electronic grinding dispenser). Through the special screw connection, the user must not remove it. Professional technicians should pull out the plug to disconnect the electrical power supply before removing the coffee outlet guard. Before reconnecting the device to the network, reinstall the protective plate.

8. Precautions

The use of this appliance must comply with the relevant laws and regulations for safe operation.

- . When operating electrical appliances, pay attention to the movable mechanical parts of the grinding blade and the coffee powder outlet. Disconnect the power supply before removing the stocker from the grinding system. Without unplugging the power plug of the appliance, do not remove the impurities in the grinding system or the accumulator.
- . Be careful when cleaning, because even if the appliance is turned off, the grinding blade may continue to rotate for a short time.
- . The coffee bean hopper must be fixed to the grinding system of the appliance with the supplied screws. The screws must not be inserted into the threaded holes on the upper grinding blade clamp and the holes on the hopper tube. The user is not allowed to remove any screws or parts on the appliance without authorization.
- . If the electrical appliance fails to work normally or malfunctions, please contact professional and technical personnel, and do not repair it yourself.
- . Before performing any electrical operations (including cleaning and/or maintenance), please unplug the power plug to disconnect the power source. Using the main switch to turn off the appliance cannot ensure safe operation of the appliance. Do not modify electrical appliances.
- . When the electrical appliance is left unattended (for example, at night, during breaks, mid-week closures or holidays), the main switch must be used to turn off the electrical power.
- . The internal or external parts of the appliance must not come into contact with any liquid.
- . The hopper can only be used to store coffee beans, do not put coffee powder into the hopper.

- . Do not pull the power cord to pull out the power plug of the appliance.
 - . Do not touch the appliance with wet hands or feet.
 - . Do not go barefoot when using electrical appliances.
 - . The user must regularly check the working condition of the power cord and plug.
 - . When the power cord or plug is damaged, please ask professional technicians to replace it to prevent danger.
 - . For CE certified electrical appliances, special tools are required to open the bottom plate to maintain the wires.
 - . We recommend using only original spare parts.
 - . In order to ensure the long-term effectiveness of electrical appliances, it is necessary to ask professional and technical personnel to carry out regular maintenance, including detailed inspection of the use status of parts that may be worn out.
 - . The condition of the grinding blade must be checked regularly. Please keep the grinding blade in good condition to ensure high-quality grinding, so as to improve work efficiency and avoid overheating.
- If you fail to comply with the above regulations, the manufacturer will not be liable for any personal injury or property damage.

Marketed globally by:

TRUFROST AND BUTLER PRIVATE LIMITED

1215, 12th Floor, Tower B, Emaar Digital Greens, Golf Course Extn. Road,
Sector 61, Gurugram – 122011 (India)

T. +91-7303166766 info@trufrost.com

www.trufrost.com