

K90 Automatic Coffee Grinder



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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	K90	Hopper capacity	850-1000g
Voltage	220V-240V	Frequency	50/60/70HZ
Power	420-680W	Rotate Speed	1380~2150 rpm
Blades Material	Titanium coating	Size of blades	83mm flat burr
Machine Size	18.8x30x57.8cm	Meas.	29x38x70cm
G.W.	17 KG	N.W.	15.8 KG

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.



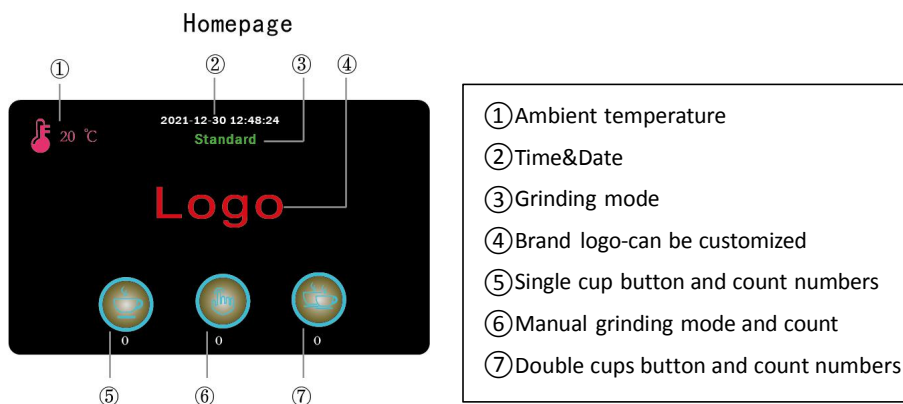
⑧ Do not install the device near the water dispenser or accidentally spill water on the device.

5 Installation&setup

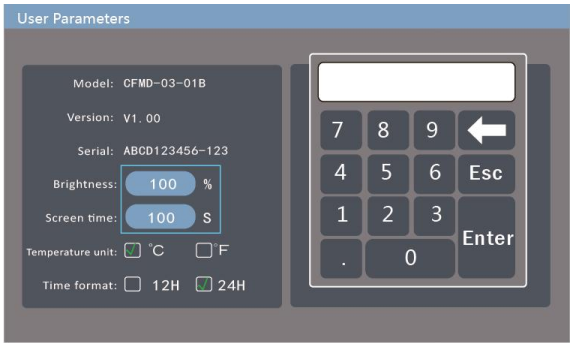
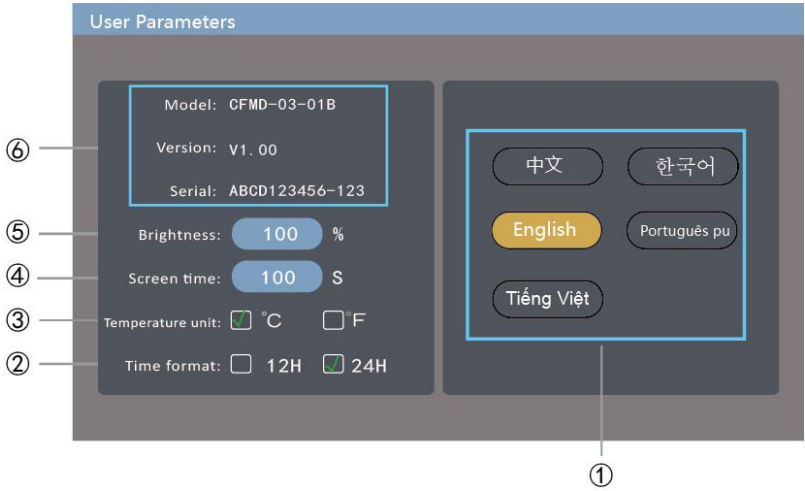
5.1 Machine installation



5.2 Function menu



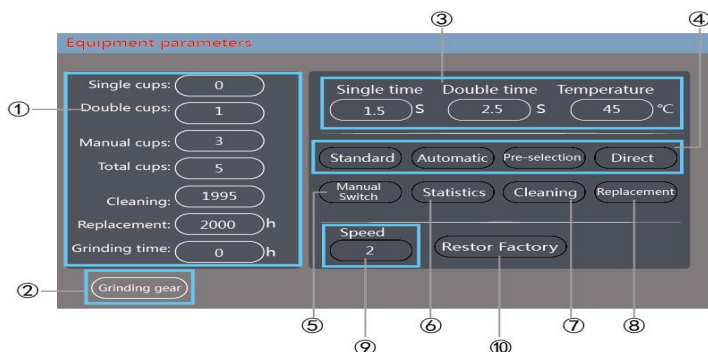
Left Menu



Number keys when touching④ ⑤

- ①Language setting: When language selected, banner edges turn on yellow.
- ②Time setting : Touch to select 12H / 24H
- ③Temp. format : Touch to select Celsius or Fahrenheit
- ④Screen saver time: Touch the screen saver time setting, a number dialog box as shown on the right will appear, enter the set number to confirm.
- ⑤Screen brightness : Touch the screen brightness setting, and a number dialog box as shown on the right will appear, enter the set number to confirm.
- ⑥Model, Version number, Serial number cannot be changed

Right Menu



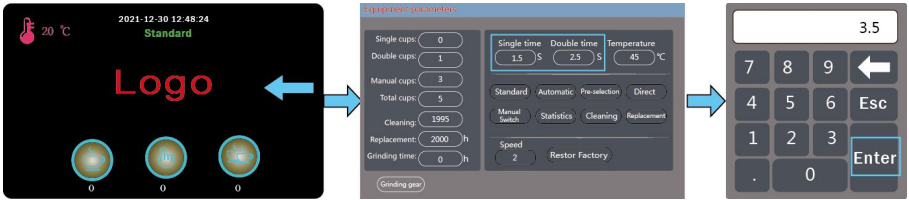
Touch ② to select gear steps



Number keys when touching ③⑨

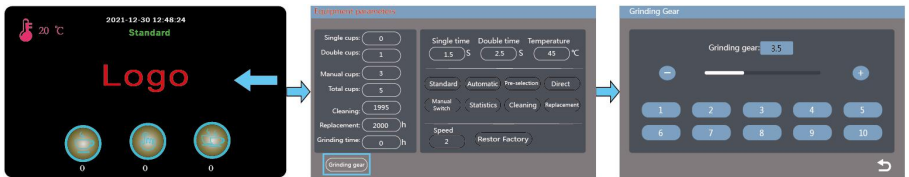
- ① Statistics of grinding and grinding blades maintenance data;
- ② Grinding gear: adjustment of grinding powder coarseness, visit 5.4 for setting method;
- ③ Setting of grinding time and protection temperature. Tap and enter the number dialog box to confirm, visit 5.3 for setting method;
- ④ To select the grinding method, touch the frame to turn yellow to select; you can choose standard, automatic, pre-selected and direct grinding methods, visit 5.5 for more details.
- ⑤ Manual switch: tap the frame turn bright yellow for activation, manual switch is visible on the homepage to grind , tap again to close the manual mode;
- ⑥ Statistics: Tap the bright yellow option to see the number of milling cups on the main screen, tap again to dim the number of cups statistics on the screen;
- ⑦ Milling cutter cleaning: When the set number of cleaning cups is used up, touch to restore the original set number of cups;
- ⑧ Milling cutter replacement: When the setting time of replacement is used up, touch to restore the original setting;
- ⑨ Grinding speed: Touch to display the digital menu page. 1-3 gears are adjustable, gear 1 is the slowest, gear 3 is the fastest, and the factory default is 2 gears.
- ⑩ Restore the factory settings, if you choose to reset, the time, cutter head cleaning times, etc. will be restored to the factory settings.

5.3 Setting Grinding Time



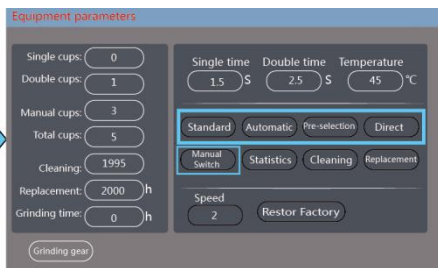
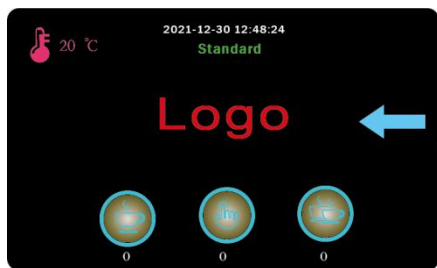
1. Swipe the homepage from right to left to enter the right menu;
2. Tap "single cup time" or "double cup time" to set the corresponding grinding time;
3. Enter the milling time in the pop-up digital menu, such as "3.5", and then press "Enter" to confirm to return to the right menu;
4. Swipe the screen from right to left to return to the main menu.

5.4 Powder Coarseness adjustment



1. Swipe the homepage from right to left to enter the right menu;
2. Tap the "grinding gear" in the lower left corner of the screen, and set the grinding roughness in the pop-up gear menu;
3. In the gear menu, select integer 1-10 or "+", "-" to fine-tune ± 0.1 , the larger the number, the coarser the powder, the smaller the number, the finer the powder.
4. After completion, press the enter key in the lower right corner to confirm and return to the right menu.

5.5 Setting Grinding Modes



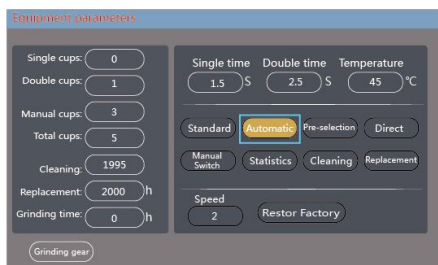
1. Swipe the homepage from right to left to enter the right menu;
2. Tap the grinding method on the screen, and the frame will turn yellow to select it.
3. Swipe the screen from right to left to return to the main menu.

*Manual switch: The bright yellow frame indicates that the manual mode has been activated. At this time, the manual mode is available and displayed between the single cup and double cup keys on the homepage. Tap again to close and hide the manual mode button.



Standard Mode:

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



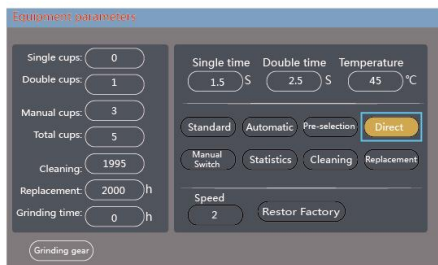
Automatic Mode:

- Press the contact switch to start grinding.
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 contact switch to start grinding.
3. For the later grinding, press the contact switch only.



Direct Mode:

- press single or double dose button
at homepage to grind directly

6 Cleaning and maintenance

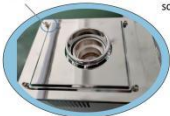
- Before cleaning, please pull out the power plug to disconnect the electrical power.
- Do not use water spray to clean the appliance.
- Do not install electrical appliances in rooms where water sprays are used for cleaning.
- Appliances can only be cleaned regularly by professional and technical personnel.
- 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

Cover screwsx4 Adjusting plate screw x3



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 replace the upper cover.

9. Reinstall and fix the hopper, and adjust the grinding device as needed.

Minimum gap between the upper and lower blades without friction

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 Devices

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.

9 Maintenance records

Date		Product name&Model	
Serial Number			
Username		Phone/Mobile	
Address			
Problem			
Repair result	Repair person: Date:		

The warranty period of this machine is one year (calculated from the day it leaves the factory). During the warranty period, if the fault is caused by the quality of the product itself, please contact our customer service staff for free accessories or replacement services.

The range of accessories provided for compensation in the following cases:

1. Without warranty proof.
2. Failures caused by operating the machine not in accordance with the requirements of the manual.
3. Failure, scratches or damage caused by moving or falling.
4. Damage caused by inappropriate preservation, maintain or usage.
5. Easy damaged pieces and present accessories are not concerned.
6. Failure or damage caused by force majeure.

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