

WENDOUCEE

ESPRESSO COFFEE GRINDER

ARES

Product Manual



Thank you for purchasing our coffee grinder. Please read this manual carefully before installing and operating the coffee grinder.

INTRODUCTION

Evolve ahead of time, reshape coffee habits!

A touch of dedication, a measure of persistence, a hint of anticipation, a sense of pride, a product crafted by the hands of a 'Coffee Engineer' is unique. Can we earn your respect through 'quality,' make you feel warmth through 'details,' and demonstrate our dedication through 'functionality'? We welcome your reviews and are eager to listen and continually improve.

As a member of the coffee equipment manufacturing industry, we have been fortunate to witness the thriving development of the coffee market. Throughout this journey, we have faced challenges and garnered countless fans. We sincerely thank you for your support and expectations. This experience has strengthened our belief in the importance of innovation, the courage to face challenges, and the commitment to producing stable, practical, and intelligent products. Moving forward, we will continue to uphold high-quality standards, improve our systems, lead the industry, and serve our users.

SAFETY INSTRUCTION

Thank you for purchasing our product. To facilitate your use and help you quickly familiarize yourself with the product, please read the following information carefully before use:

- Once the product installation and setup are complete, please scan the QR code on the nameplate or enter the serial number to bind the product and activate the warranty. (Failure to provide the serial number may cause inconvenience for after-sales services.)
- Users must fully understand the operation methods and review the precautions to avoid personal injury or damage to the machine due to improper operation.
- For common problems, please consult the 'Quick Use' and 'FAQ' sections for assistance. If the problems cannot be resolved, please scan the QR code on the nameplate for quick repair services. Our engineers will promptly contact you.
- If you have any comments or suggestions, you can provide feedback through official channels. We will make every effort to offer effective solutions.
- The weighing module is a consumable part. The weighing pan needs to be removed when transporting. The weight limit is 3KG. Knocking or exceeding the limit will cause permanent damage.
- Unauthorized disassembly of burrs or incorrect parameter settings can lead to wear or even damage to the burr.

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I PRODUCT DIAGRAM



II PRODUCT SPECIFICATIONS



Model	ARES-90B	ARES-90B-DC	ARES-90-DC
Voltage	220 V-230 V / 50-60 Hz		
WATT	400 W	650W	
Grinding Burrs	flat , Φ90mm,PVD	flat , Φ90mm,SS	
Motor	Brushless motor	Dc Brush motor	
Motor Speed	Adjustable	Non adjustable	
Grinding speed	4.8 g/sec		
Grinding noise	75-80 dB		
Hopper capacity	1500g		
Dosing mode	time / weight	time / weight	time
Preset programs	9	9	3
Grinding size adjustment	Digital		
Display	5.0" touch screen		
Specification& Net weight	20(W) * 38(D) * 68(H)CM 25KG		
IOT with coffee machines	Support	Not Supported	

III INSTALLATION GUIDE

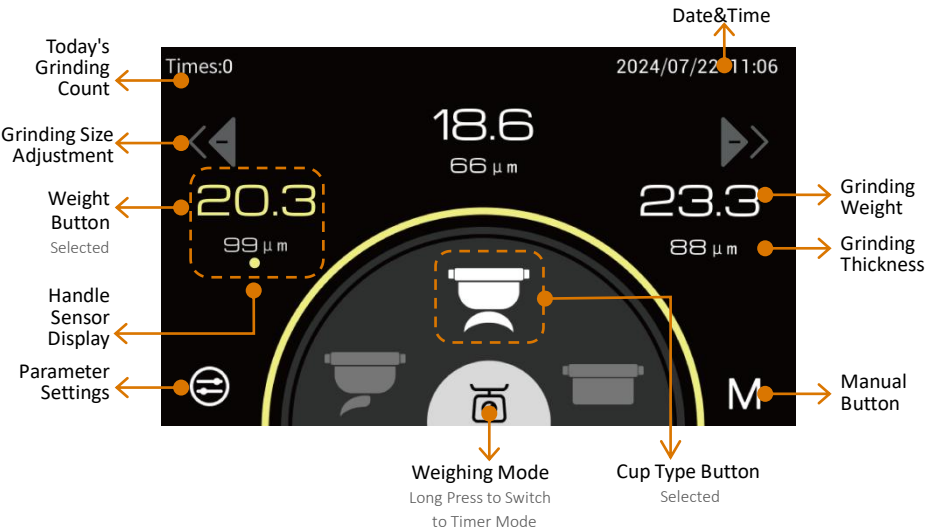


IV GETTING START

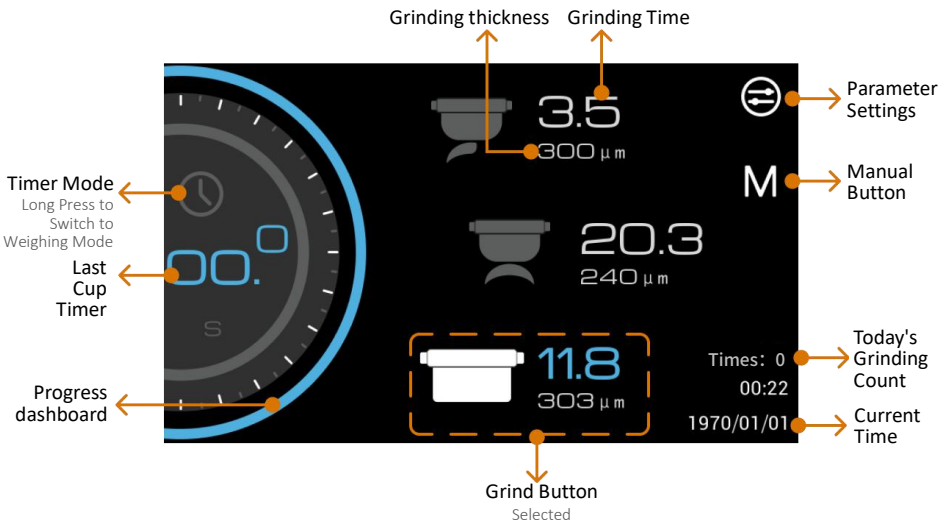
4.1 Home Page Introduction

4.1.1 Weighing Mode Home Page

(Note: The μm range is 0-600; the device will report an error if the range is exceeded.)



4.1.2 Timer Mode Home Page



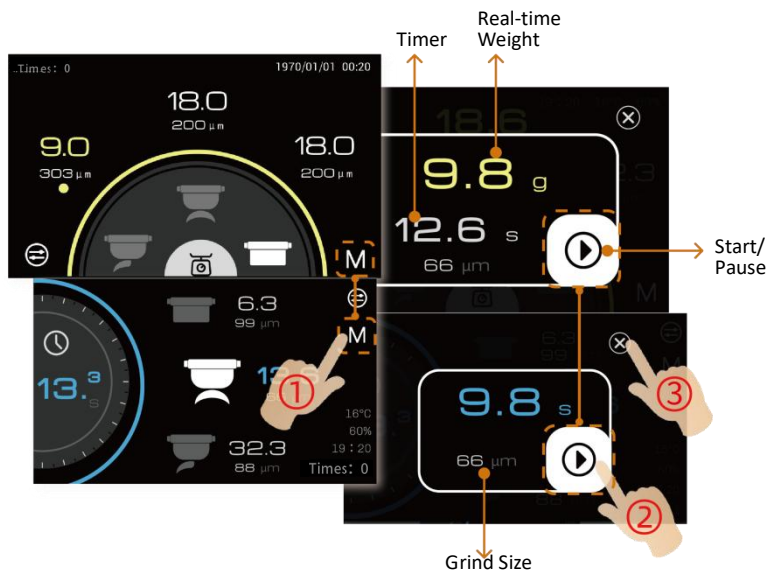
4.2 Start Grinding

4.2.1 Mode Switching



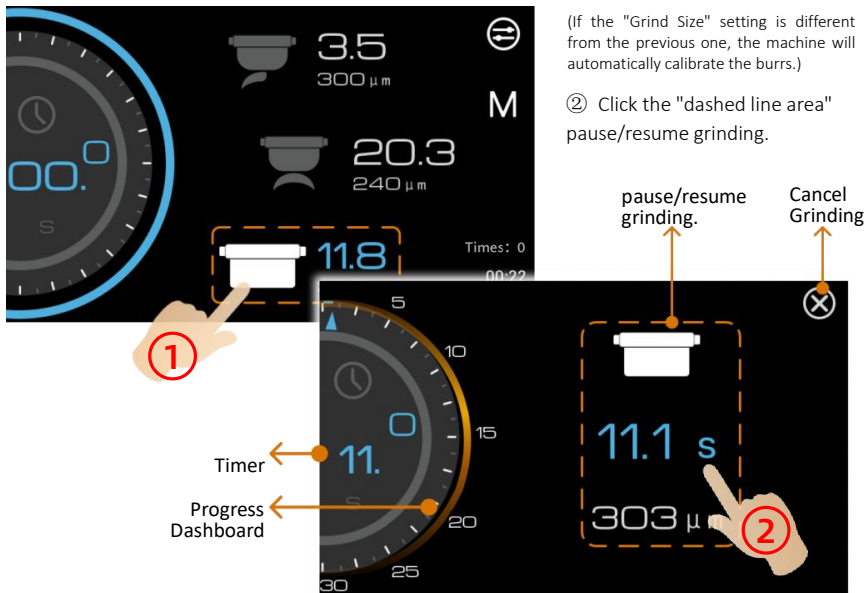
Long press the "Mode Button" to freely switch between "Weighing Mode" and "Timer Mode" (available for models with scales).

4.2.2 Manual Grinding

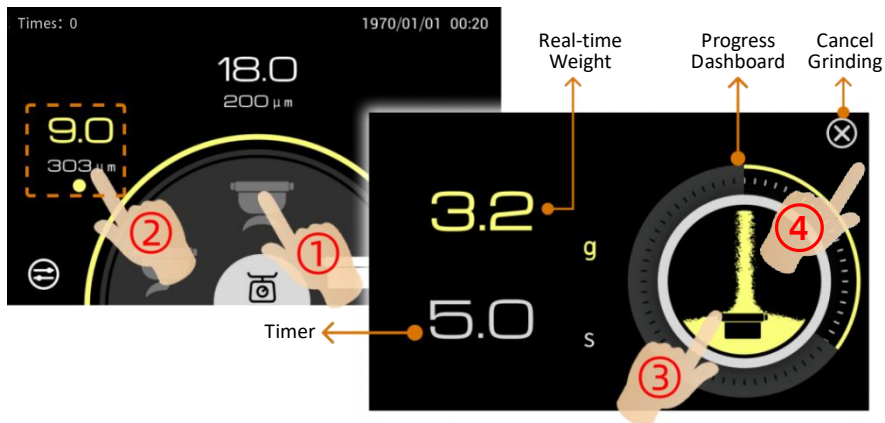


- ① Click the "Manual Button" to enter the manual grinding interface.
- ② Click the start button in the right bottom to begin grinding, click again to pause.
- ③ Click  to cancel grinding.

4.2.3 Timer Mode



4.2.4 Weighing Mode

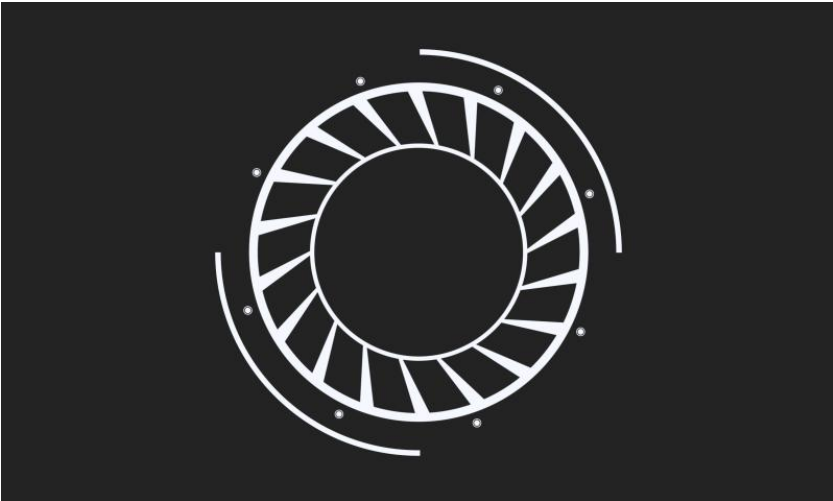


- ① Select the "Cup Type Button"
- ② Select the "Weight Button" and place the handle on the portafilter holder to start automatic grinding.
- ③ Click the grinding progress dashboard area to pause grinding.
- ④ Click the upper right corner  to cancel grinding.

4.2.5 Automatic Burr Calibration

Burr Calibration: The action of adjusting the distance between the burrs after changing the grind size.

To ensure accuracy and consistency in extraction, the Ares grinder automatically calibrates the burrs and ejects any residual grounds from the chute when switching between different grind size buttons or adjusting the grind size. The duration and speed of this purging process can be customized (see Section 5.2 General Parameters for detailed settings).



4.3 Quick Settings

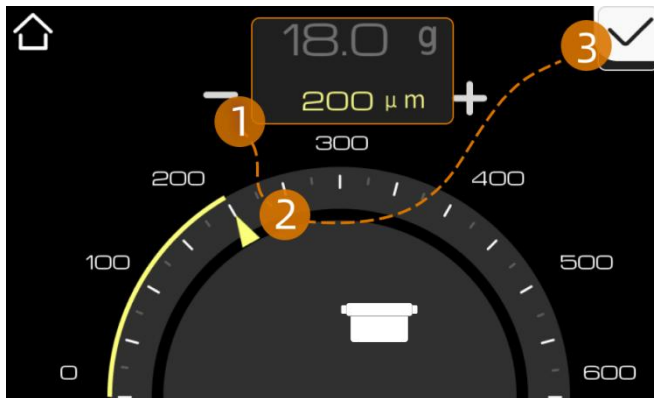
(The methods for setting weight mode and timing mode are the same.)

4.3.1 Weight Setting



- ① Long press the "Weight Button" to quickly modify parameters.
- ② Tap the parameter area to switch the target value.
- ③ Slide the scale to significantly modify the value, or click the "-" and "+" buttons to fine-tune the value in units of 0.1g.
- ④ Click the upper right corner to save the parameters, or click the upper left corner to return to the homepage without saving.

4.3.2 Size Setting

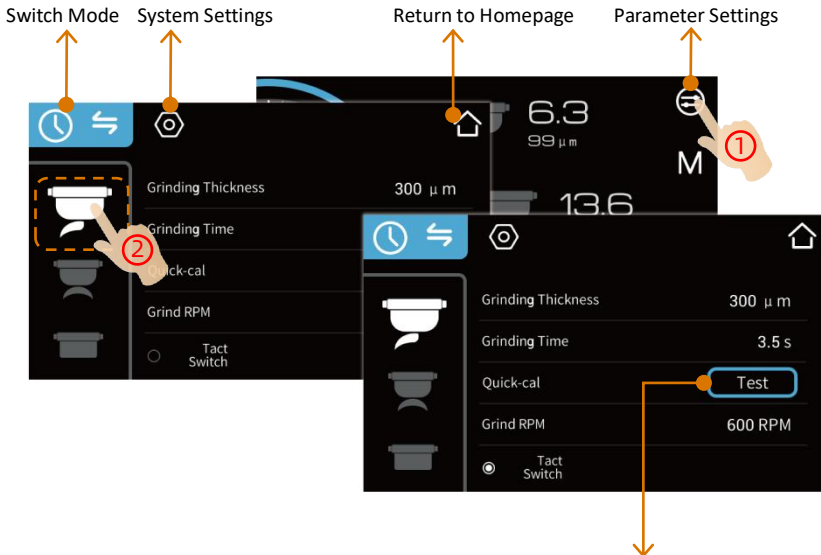


- ① Tap the upper parameter area to freely switch between weight and grind size values.
- ② Slide the scale to significantly modify the value, or click the "-" and "+" buttons to fine-tune the value in units of 1 μ m.
- ③ After modification, click the upper right corner to return to the homepage.

4.4 "Timing Mode" Setting

4.4.1 "Timing Mode" Setting

- ① Click "Parameter Settings" on homepage to enter the timing mode setting.
- ② Select the "Grind button" to set the corresponding parameters.



In timer mode, the dispensing time is automatically converted to achieve the target weight.

Grinding Thickness: It is recommended to adjust in units of 10 μ m. Modification range: 0-600.

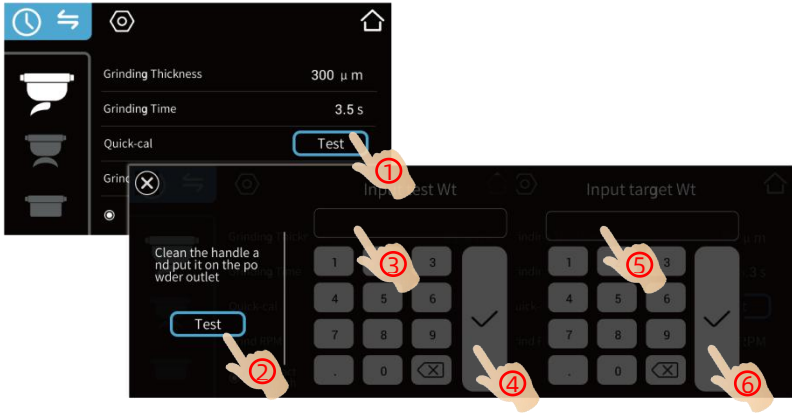
Grinding Time: Target grinding time.

Grind RPM: The higher the RPM, the faster the grinding speed. The recommended speed is 800 RPM. Speed is too fast may cause powder scattering.

Tact Switch: Turn on the switch, place the handle, and the selected production key can automatically grind(Only model ARES-90-DC supports this function)

4.4.2 Quick Calibration

In timer mode, dispensing calibration and conversion are performed to achieve the target weight.

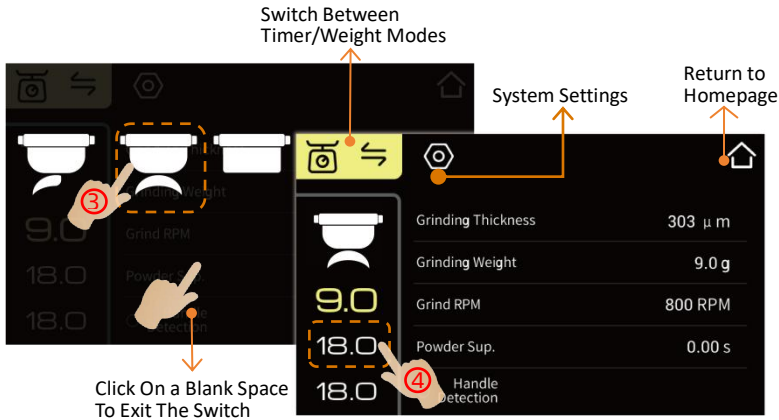


- ① Enter the timer menu settings, click "Quick-cal" - "Test" to enter the calibration interface.
- ② After taring the scale with the dosing cup on it, place the cup at the powder outlet and click "Test". The machine will perform a grinding test based on the current brew button's dispensing time.
- ③ Put the dosing cup with the grounds back on the scale, and enter the measured test weight of the grounds into the value box.
- ④ Click the "✓" to proceed to the next step.
- ⑤ Enter the desired target weight into the value box.
- ⑥ Click the "✓" for successful calibration, the machine automatically modifies the dispensing time to achieve the set target weight. A deviation of $\pm 0.2\text{g}$ is within the normal range.

4.5 "Weight Mode" Settings

4.5.1 "Weight Mode" Settings

- ① From the homepage, click "Parameter Settings" to enter the weight settings.
- ② Select the "Weight button" to set the corresponding parameters.
- ③ Click the cup type Button to switch to other cup types.
- ④ Select the "Weight button" of another cup type to modify the parameters.



Grinding Thickness: It is recommended to adjust in units of 10 μm . Modification range: 0-600.

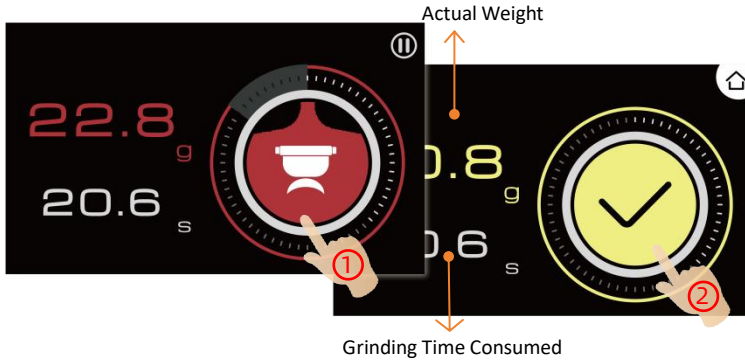
Grinding Weight: Target grinding weight.

Grind RPM: The higher the RPM, the faster the grinding speed. The recommended speed is 800 RPM. Speed is too fast may cause powder scattering.

Powder Sup.: The time for manually supplementing the powder when there is a discrepancy between the actual ground weight and the target weight. For detailed setting steps, see 4.5.3.

Handle Detection: For detailed setting steps, see 4.5.5.

4.5.2 Supplementary Grinding



- ① If the grinding process is interrupted, a red interface will be displayed. After ruling out other issues, you can click on the progress dashboard to continue.
- ② After grinding is finished, if the actual weight is less than the target weight, you can click on the progress dashboard for supplementary grinding if needed.

4.5.3 "Powder Sup" Setting

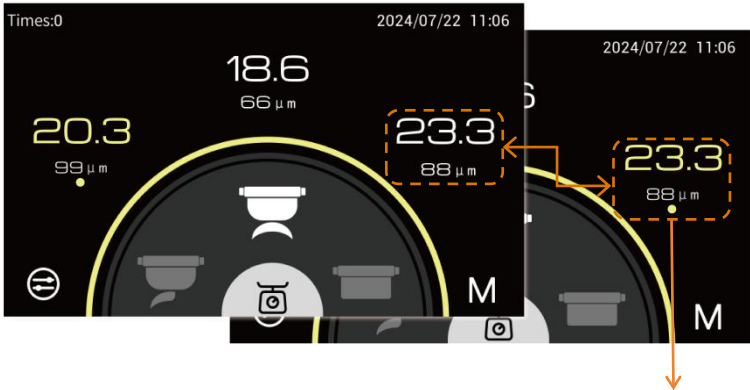


- ① Click "Parameter Settings" on the homepage.
- ② Select the corresponding "Weight Button", then click "Powder Sup.".
- ③ Enter a suitable value and click "✓" (Note: The factory default is 0.15 seconds).

4.5.4 Handle Detection Explanation

Once handle detection is activated, each "Cup Type Button" can only set one "Weight Button" with handle detection.

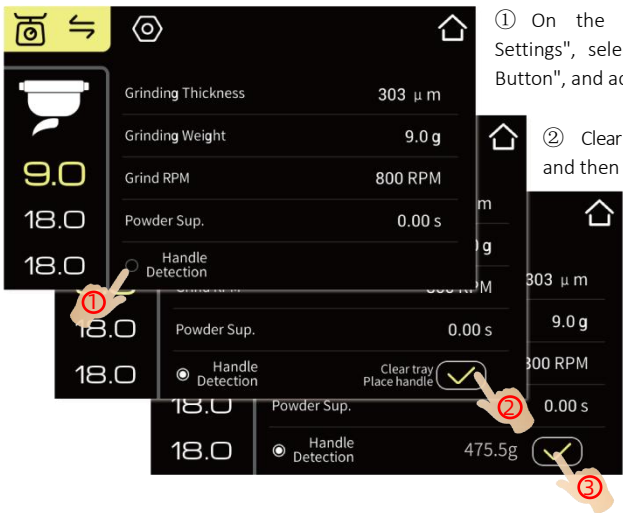
After successfully setting up handle detection, place the specified handle and the machine will automatically recognize the corresponding "Weight Button" and grind.



A small circle appearing under the "Weight Button" indicates that handle detection has been set up and activated.

4.5.5 Handle Detection Setup

(Note: Handle weights must not be duplicated.)



① On the homepage, click "Parameter Settings", select the corresponding "Weight Button", and activate "handle detection".

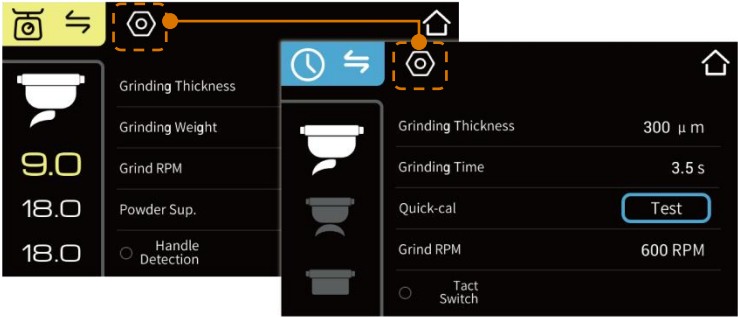
② Clear the scale tray, place the handle, and then click "✓".

③ The machine will automatically read the weight. If the actual weight of the handle matches the read weight, click "✓" to complete the setup, then remove the handle. If they do not match, you will need to enter "System Settings" to perform weight calibration, as detailed in section 5.4.

V. SYSTEM SETTINGS

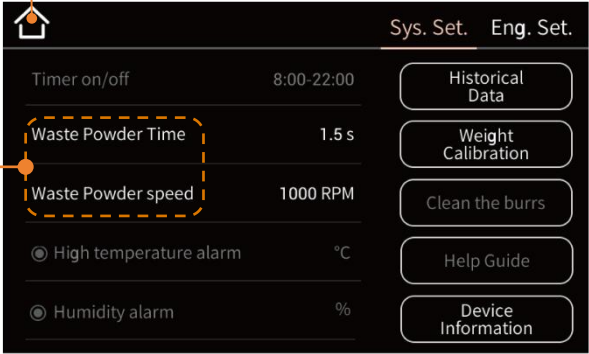
5.1 Access Method

Enter the menu settings from the homepage and click  to access "System Settings".



5.2 General Parameters

Return to Homepage

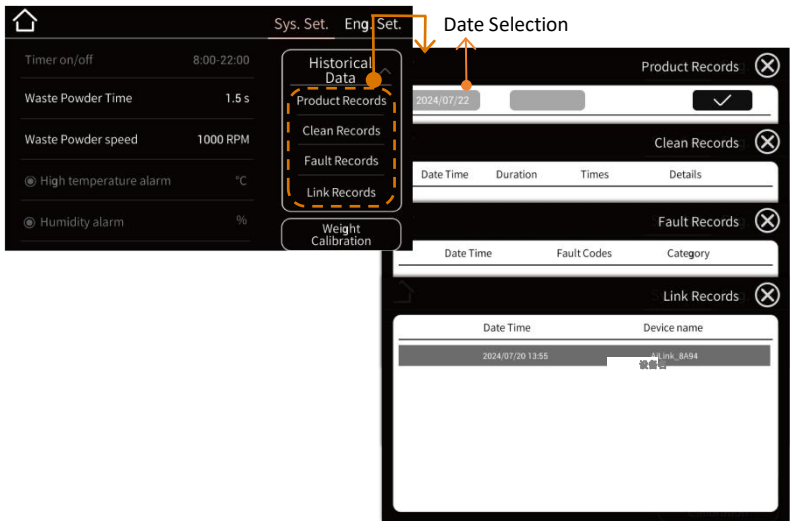
The image shows a screenshot of the 'General Parameters' menu. The menu is divided into two columns: 'Sys. Set.' and 'Eng. Set.'. The 'Sys. Set.' column contains: Timer on/off (8:00-22:00), Waste Powder Time (1.5 s), Waste Powder speed (1000 RPM), High temperature alarm (°C), and Humidity alarm (%). The 'Eng. Set.' column contains: Historical Data, Weight Calibration, Clean the burrs, Help Guide, and Device Information. A dashed orange box highlights the 'Waste Powder Time' and 'Waste Powder speed' settings. An orange arrow points from the 'Return to Homepage' text to a home icon in the top bar. Another orange arrow points from the dashed box to the explanatory text below.

Sys. Set.		Eng. Set.
Timer on/off	8:00-22:00	Historical Data
Waste Powder Time	1.5 s	Weight Calibration
Waste Powder speed	1000 RPM	Clean the burrs
High temperature alarm	°C	Help Guide
Humidity alarm	%	Device Information

Waste Powder Time and Waste Powder Speed is recommended to maintain the factory default of 1.5s and 1000RPM.
(Note: Gray buttons are currently unavailable.)

5.3 Historical Data

Click to expand and display content



5.4 Weight Calibration

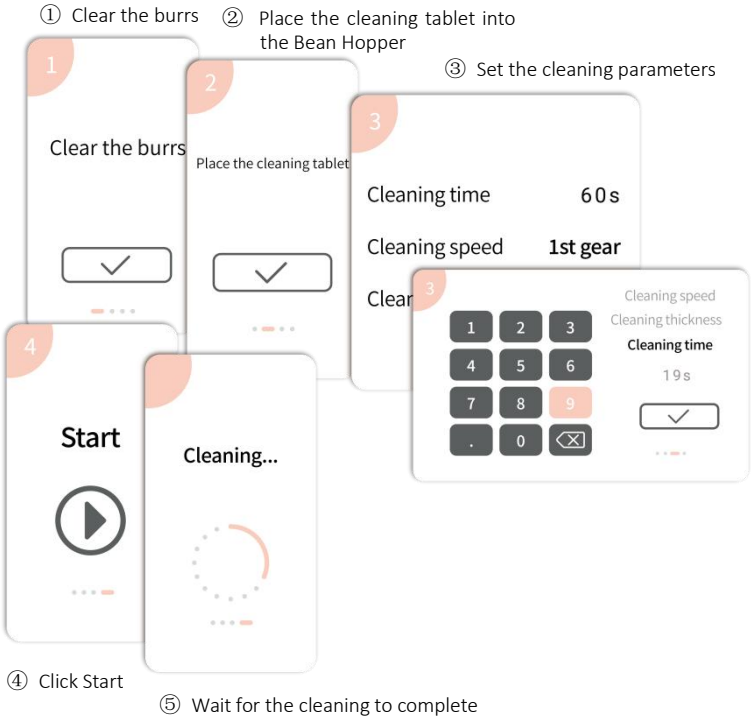
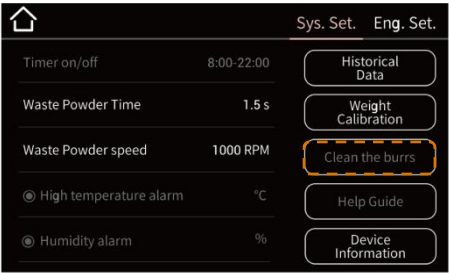
Perform weight calibration when there is an irregular discrepancy between the actual measured weight and the displayed weight (discrepancy persists and is $\pm 0.5g$).

This function is only applicable to models with a scale. The operation steps are as follows:

-
- The image shows three sequential screens for weight calibration. Step 1: 'Clear balance tray' with a checkmark button. Step 2: 'Put weight on the balance (0.5-1.0kg)' showing a weight of '469.6g' with a checkmark button. Step 3: A numeric keypad with digits 1-9, 0, and a backspace key, with a 'Confirm' button and a note: 'Click "Confirm" when entering the actual weight.' Below the screens are three numbered steps: ① Clear the scale tray and then click "✓". ② Place a weight or a fixed-weight object on the scale tray and then click "✓" (it is recommended to use an object around 500g). ③ Enter the actual weight of the weight or object and click "✓" to complete the calibration.
- ① Clear the scale tray and then click "✓".
 - ② Place a weight or a fixed-weight object on the scale tray and then click "✓" (it is recommended to use an object around 500g).
 - ③ Enter the actual weight of the weight or object and click "✓" to complete the calibration.

5.5 Clean the burrs

(Function not yet available)

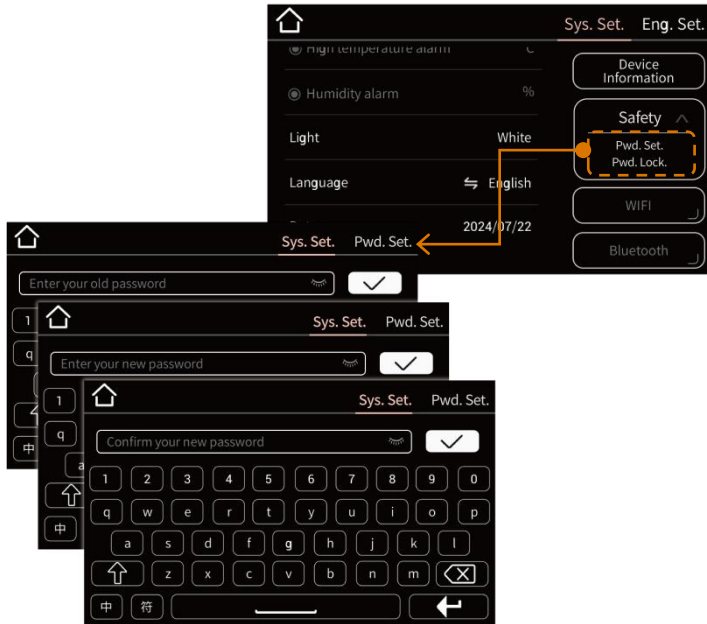


5.6 Safety

(Function not available yet)

5.6.1 Password Setting

Used to change the password for the settings lock



5.6.2 Settings Lock

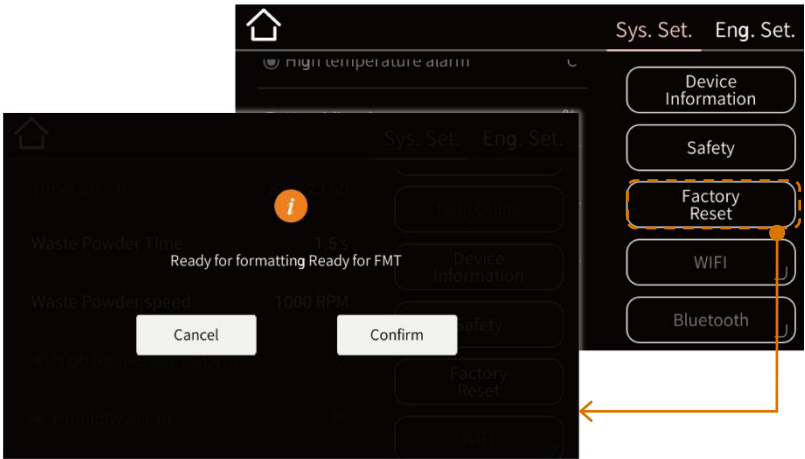
Optionally encrypt content in the system settings.

- ① Enter the password.
- ② Select the content to encrypt.
- ③ Click the top right "✓" to confirm.

5.7 Device Information



5.8 Factory Reset



VI STRUCTURAL DIAGRAM

6.1 Screen, Powder outlet nozzle

Screen: Press both side buttons of the screen simultaneously to quickly open the screen component.

Powder Outlet Nozzle: Grasp the sheet metal of the powder outlet nozzle and pull it down for daily cleaning.



6.2 Scale Tray

The bottom of the machine is equipped with a scale sensing module. The scale holder is connected to the scale sensing module and must not be knocked or bumped with force.



6.3 Handle Height Adjustment



After pulling the knobs on both sides outwards, you can adjust the height.

VII FREQUENTLY ASKED QUESTIONS

No.	Common Issues	Analysis	Solution
1.1-1	Weighing not triggered	Scale tray not emptied at startup	Empty the scale tray and restart the machine
1.1-2		Incorrect trigger setting (0 means start with any weight)	Check the trigger value (fixed: trigger at set weight, do not trigger at other weights)
1.1-3		Scale tray not properly installed	Reinstall the scale tray
1.1-4		Incorrect scale calibration	Go to settings and recalibrate
1.1-5		Poor connection of the weighing cable	Check the weighing connections
1.1-6		Weighing sensor damaged	Replace the weighing sensor (pay attention to the model and wiring port)
1.2-1	Excessive weighing error	Clogged outlet	Periodically clean the powder outlet, especially when using dark roasted beans
1.2-2		Grind too fine	Adjust the "grind size" larger, output powder 1-2 times to return to normal
1.2-3		Speed too fast or too slow	Recommended speed adjustment to "700-800"
1.2-4		Recalibrate the weighing	After adjusting parameters such as "weight, coarseness, calibration", wait 3 seconds
1.3-1	Unable to adjust grind size	Check "burr alignment method"	Change the burr alignment method to "automatic"
1.3-2		Check "basic size"	Set the "relative zero point" to match the number on the bottom label of the bean
1.3-3		Perform "burr zeroing"	Find the zero point again
1.4-1	Motor runs but no powder	Check if the bean hopper switch is open	Open the bean hopper
		Check the grinding direction	Modify the grinding direction in the engineering settings
1.4-2		The powder is too fine	Adjust the "grind setting" to a coarser setting, grind 1-2 times to return to normal
1.5-1	The motor does not rotate	Check for loose connections on the drive board	Check the wiring and reconnect
1.5-2		Drive board damage	Replace the drive board (detection method: with the machine on, if the drive board
1.6-1	Prompt "setting adjustment exceeded limit"	Parameter error	Check: motor speed ratio, relative zero point
1.6-2		Grinder burr zeroing	1、 Empty the Grinder Burr; 2、 Access Engineering Parameters; 3、 Select Grind
1.7-1	Factory reset	Re-adjust	Click "factory reset" in "system settings"

VIII MAINTENANCE AND UPKEEP

8.1 Cleaning Schedule

1.Cleaning the powder outlet	Daily
2.Cleaning the bean hopper	Daily
3.Cleaning the exterior of the device	Daily
4.Cleaning the burr assembly	Every 3 months
5.Cleaning the noise reduction baffle	Every 3 months
6.Inspecting and dusting the electrical system	Every 6 months
7.Inspecting, lubricating, and dusting the main motor assembly	Every 6 months
8.Cleaning the internal cavity of the machine	Every 6 months
It is recommended to perform timely maintenance and adjustments.	

IX WARRANTY COVERAGE

1. Party A's equipment comes with a 12-month warranty for spare parts from the date of shipment, excluding wearable parts, labor fees for repairs, and other expenses. Shipping fees for parts within the warranty period are borne by Party A.
2. Dealers and agents have the option to purchase an additional one-year extended warranty service: a 12-month warranty on the entire machine, including parts, repair, and labor fees.
3. Warranty service is valid only under normal use. Any product damaged due to human factors or falling under the following conditions will not be covered by the warranty but can be repaired at the owner's expense:

3.1. Damage caused by force majeure or accidents (e.g., floods, fires, earthquakes, lightning strikes, animal bites, etc.);

3.2. Damage to the product caused by improper use, maintenance, or storage failing to follow the product operation manual;

3.3. All exterior and maintenance parts, such as aluminum shells, stainless steel mirror panels, paint surfaces, seals, plastic parts, etc.;

3.4. Damage to the product caused by self-modification or self-disassembly;

3.5. Products purchased from non-authorized dealers, not covered under the warranty policy;

3.6. Verbal promises by the salesperson that go beyond the stipulations of this agreement will not be honored;

3.7. Products that are beyond the warranty period or scope;

3.8. Products not originally produced by our company, discounted products, or products explicitly excluded from warranty coverage in the sales contract.

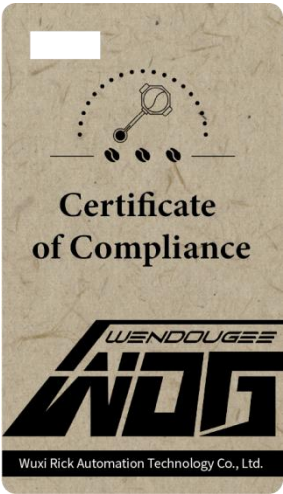
X WEARABLE PARTS INSTRUCTIONS

Please inspect and accept the machine's wearable parts within three days of receipt. After three days, these parts will not be covered by the warranty. Wearable parts require regular maintenance and care; for details, consult the instructions below.

Wearable Part List:

Part Name	Description
Burr Assembly	Unauthorized disassembly and incorrect parameter settings can result in burr wear or damage.
Scale tray	Instant Load Capacity: 3KG. Please avoid knocking or bumping
Screen	Please avoid knocking or bumping the screen.
Exterior Parts	Includes: sheet metal and plastic parts; plastic parts may deform if exposed to high temperatures for prolonged periods.

XI CERTIFICATE OF COMPLIANCE



XII DISCLAIMER

WENDOUGEE is committed to continuously improving the functionality of our products. As a result, the specifications and content of the products may change in the later stages without prior notice. We appreciate your understanding!

In case there are differences between icons, images, etc., between the manual and the actual product, please consider the actual product as accurate. Our company reserves the final interpretation rights for all technical parameters and graphic information.

Before using this product, please carefully read this manual. Our company will not be responsible for any losses caused by operating the product incorrectly, not following the instructions, or not understanding the requirements specified in the manual.

XIII CONTACT US

WENDOUGEE, founded in 2014, is a Chinese coffee equipment R&D and manufacturing brand.

Committing to providing the industry with a complete set of solutions for grinding, extraction, and milk frothing.

The founder has been deeply involved in the coffee industry for many years, and also possesses advanced structural & functional design concepts, Veteran experience in precision processing industry, truly standing from the perspective of baristas, and coffee shop owners to develop equipment, Comparing to other domestic coffee machine manufacturing competitors who focus only on products themselves, we aim to provide a set of solutions that can change the tradition of the entire industry.



REGISTER AND ACTIVATE



CONTACT AFTER-SALES



OFFICIAL WECHAT

WWW.WENDOUGEE.COM

E-mail: MICA@WENDOUGEE.COM

WUXI RUIKE AUTOMATION TECHNOLOGY CO., LTD

Our company reserves the right to modify this manual. If the manual is inconsistent with the product,
please refer to the actual product.