HZ Series Smart Tea Maker

Instructions for Use, V01

Revised in June, 2023

foreword

Thank you for choosing the wisdom tea brewing machine produced by Jiaze Environmental Protection Technology Co., LTD. I wish you a pleasure in using it. Before starting, installing and using the machine, please take a few minutes to carefully read and understand this manual, as it can provide important information to avoid the damage and hazards that may arise during the use of the tea machine.

The technical documentation provided in this article is part of an overall device and must move or move with the operator to refer operator.

Symbols used in the instructions

Important warnings are marked by these symbols.

These safety warnings must be strictly observed.

danger! Failure to follow this warning may result in electric shock injury and may be life-threatening.

important! Failure to comply with this warning may result in personal injury or machine damage.

Be careful, scald danger! Failure to comply with this warning may result to burns or burns.

Note: This symbol indicates advice or information important to the user.

safe

Important safety warnings

danger!

This is a type of machine equipment that can cause an electric shock. Therefore, you should value the following safety warnings:

If the machine plug or power

cord is damaged, it must be replaced by technical personnel authorized by our company to avoid various hazards.

To prevent a fire or an electric shock, please do not open the front door easily. The internal parts of the machine shall not be repaired by themselves and shall be repaired by the authorized service personnel.

Hazanger; scald danger

Hot water and steam may be generated when operation. Avoid contact with hot water or hot steam. Wait for the drink to be made and prompted to contact and take away.

important!

Please read these instructions carefully before using this machine. If failure to follow the instructions for using this machine may cause burns or damage to the machine, we will not be responsible for the damage caused by improper use of the machine.

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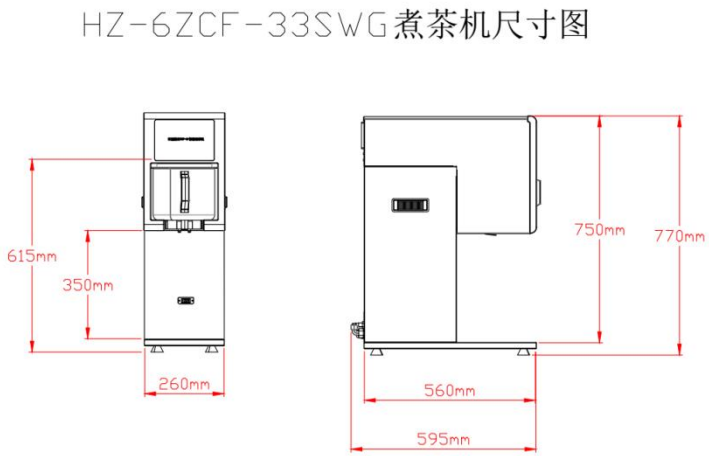
1. Product overview

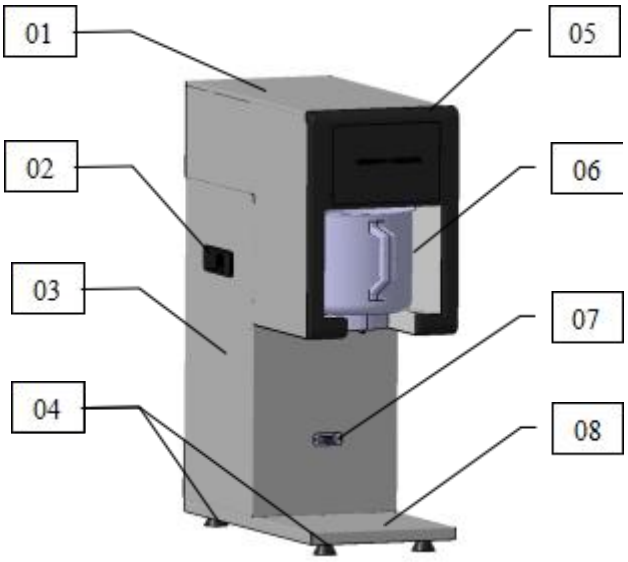
Please note: the machine is designed and manufactured for the manufacture of tea soup in the beverage shop. This machine is not suitable for domestic use and is suitable for commercial use.

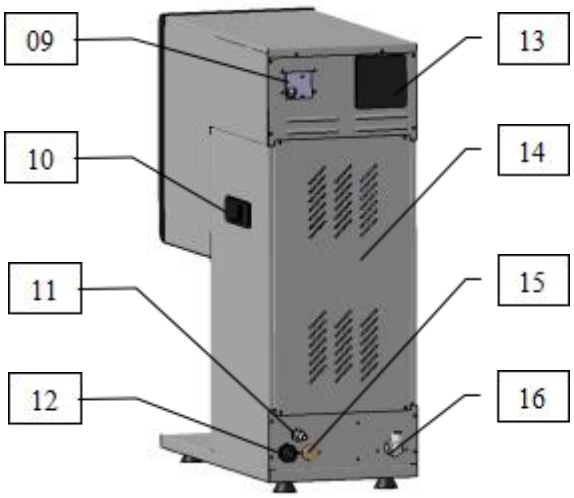
1.1 Appearance diagram

1.2 Overall machine size



1.3 Introduction of spare parts





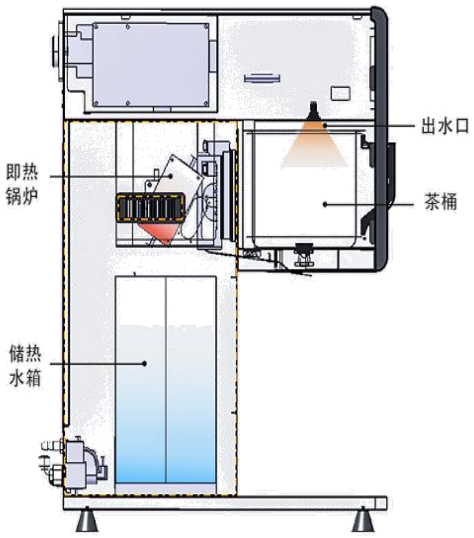
order number	Component name	order number	Component name	order number	Component name	order number	Component name
01	top cap	05	A 7-inch touch display screen	09	Total power switch	13	radiator fan
02	Hold your hand on the left side	06	Tea bucket	10	The right side of the button hand	14	Rear service and maintenance door (removable)
03	Sheet metal body	07	Connect to the tea bucket detection sensor	11	Exhaust / overflow port	15	drain outlet
04	Non-slip foot pad * 4	08	Place the tea bucket on the platform	12	Power incoming line	16	Water inlet (PE quick plug connector)

Basic product information		
fundamental characteristics	unit type	HZ-6ZCF-33SWG
	Machine size	Wide * deep * high (net size includes feet): 260 * 560 * 770
	The weight of the machine	21 KG (no water in the water tank)
behaviour of electricity	source	AC220V±15%, 50Hz
	power rating	3300W
	attaching plug	gb character triangle plug, 16A
	Standby power	Less than 15W (excluding power during

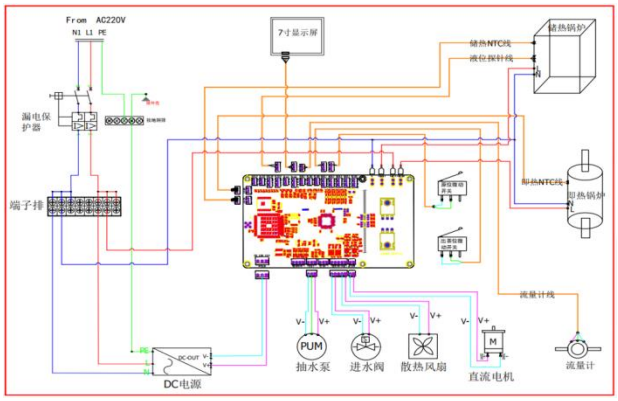
1.4 Product parameters

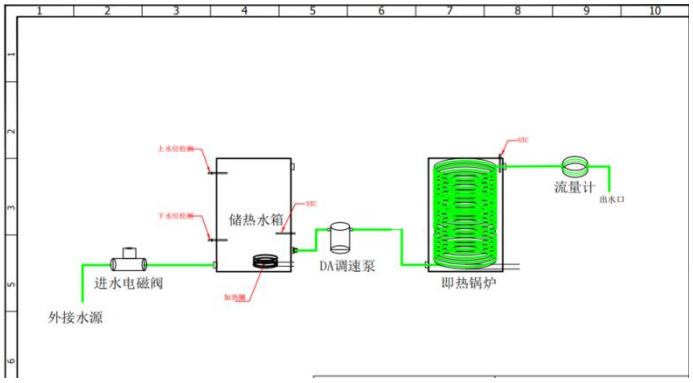
	consumption	boiler return heating)
	communication interface	RS232, WiFi
Water requirements	Water quality requirements	Purified water (not directly connected to municipal tap water)
	Water pressure range	1bar---4bar
product life	Complete life	Five years

1.5 Core advantages



1.6 Circuit & Waterway Schematic diagram





2. Products & accessories

Please note: Dear users, thank you for choosing to use the smart tea brewing machine produced by Suzhou Jiaze Environmental Protection Technology Co., LTD.,

Be sure to check the packing list.

The tea maker in opening contains the following items:

Host a

One tea bucket

One tea bucket cover

Filter a filter bag

A set of accessories bags

3. Installation and erection

3.1 Confirmation before erection

For Your Attention!

Before the erection of the tea cooking machine, the installation site should be inspected.

In addition to meeting the necessary conditions for commercial equipment, the following conditions must be met before operating the installation.

1. Water source support: the water source pressure requirement is between 1bar and 4bar
2. Power supply: national standard character plug (overcurrent capacity 16A), if it is an overseas machine, it is necessary to install the conversion head according to the power supply specification of the destination.
3. Network: 2.4 Ghz frequency band WIFI signal is stable, the WiFi name and password length is not more than 12 characters

4. Environment: indoor environment (temperature and humidity meet the design specifications of the equipment), and the maximum level difference of the ground is 15mm

5. Requirements for equipment placement space: 100m m is reserved on the left and right, and 100m m is reserved on the back

3.2 Transportation and storage of machines

For Your Attention!

To avoid damage to the machine, take very much care with moving the operation. For Your Attention:

1. Do not flip or pour the tea cooking machine;
2. Pay attention to protect the screen when carrying and moving the tea cooking machine;

If the equipment is left idle, please note the following points:

1. The room dry temperature must be kept between 4 and 40° C.
2. Don't stack several machines.
3. Place the machine vertically up

3.3 Remove the packaging

For Your Attention!

Do not destroy the paper skin when removing the package. Open the box correctly from the top. This packing box can be used for many times.
Please remove the outer packaging in the following order.

1. Cut off the packing belt
2. Open the top cover of the carton and remove the foam pad
3. Lift the equipment upwards
4. Remove the plastic bag from the device

3.4 Check the tea cooking machine

After opening the packaging, please check the following points

1. The surface of the machine is intact and not damaged.
2. There are no cracks in the screen.
3. The power cord is not broken or broken

Do not use the machine if there is significant damage. Please contact the after-sales service center authorized by our company (see the warranty card attached with the machine for details).

3.5 Connect the machine water source / power supply

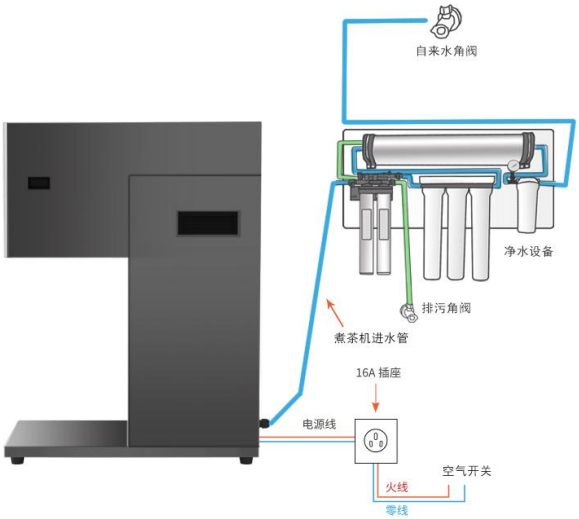
important!

Please check and confirm that the supply voltage used is consistent with the supply voltage indicated on the nameplate of the machine.

Connect the machine correctly to the effective power supply with a rated voltage of only 220V.

If the power socket does not match the machine plug and cannot be connected, the professional technician should be replaced by the matching socket.

Connect the water supply to the tea machine in the following way. After the water supply is connected and opened, the equipment screen lights up, automatically replenish water, and automatically preheating to the set temperature. After completing the water replenishment and preheating, the equipment enters the standby state and waits for the user to perform the tea making task at any time.



4. Use a tea-maker

For Your Attention!

After the installation and erection of the equipment, if you choose to use "Jiaze Iot system", the equipment will be connected to the Internet. refer to chapter 6 for the detailed distribution network method.

4.1 Introduction to the human-machine interface

Main page: The main page is the main window of the tea brewing machine, and the main screen displays the main interface after the device is turned on

1. logo display, the default is "Jia ze Technology" logo. If the customer has customized UI the corresponding adjustment will be made according to the customer UI

2. Time display, here is the real-time clock display, if the time deviation, press three seconds to enter the time edit

2. Administrator page to enter the button, click the button to enter the password to enter the administrator page, password default 888888

4. On the next page button, the tea brewing machine can support a variety of tea products. Click this button to switch the page of the next six tea leaves.

5. In the commodity display area, this area displays 6 kinds of tea models for users to choose. After clicking, any tea model can enter the tea making page

6. Click to enter today's record page. This page can check whether there is any abnormality in the current machine and the data record of today's tea production

7. Formula adjustment button, click this button to enter the formula adjustment page to modify the tea formula parameters

8. Use instructions button, in order to support the national environmental protection call for this tea

machine does not use paper instructions, use electronic instructions.click

This button will pop up a QR code, and you can browse the manual

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Tea making confirmation page: The tea making page is the interface where the screen will jump after selecting the tea product.

1. Formula retrieval button, which can retrieve the set formula for tea making. Then the parameters will be displayed in the top tea making parameters

2. Water adjustment button, through the "+" and "-" button can realize the water output in the formula

3. Start the tea making confirmation button, click and enter the tea making page. Pay attention to it here. If the boiler is not heated, the button is red to display the preheating

4. Status display bar to visually display the status of the current storage tank

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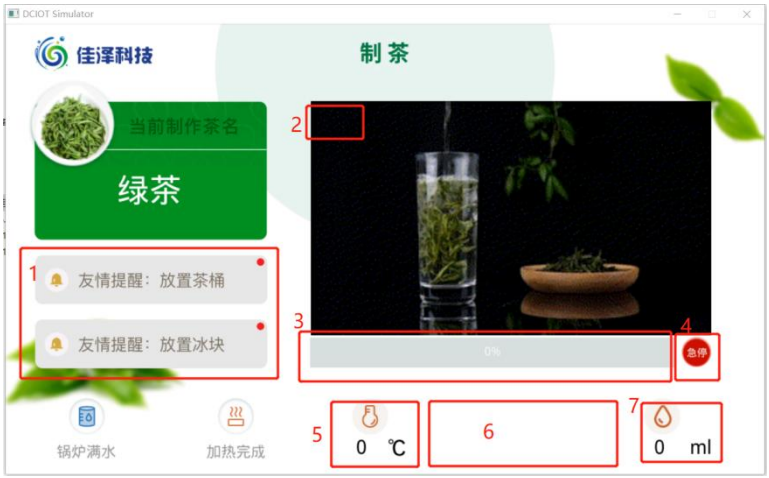
Tea making display page: The tea making display page is the display of the machine during tea making.

1. Interactive button, click to cancel the voice prompt



2. The current state of tea making will be shown here, which is respectively outbound water, tea making and tea coming out

3. The progress of tea production is shown here (please note that the progress bar percentage here is the total process calculated, including the time of the tea soup)

4. Emergency stop button, which will interrupt tea production and return to the

main tea sale page

5. Display the temperature of the tea making

6. Here will show the remaining time of making tea and the current period of tea making

7. The amount of tea made is shown

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Formula adjustment page: This page is the interface to adjust the tea making parameters of each tea model on the main page, which can be changed and saved

1. Click here to write the formula tea weight parameters

2. Click the box here to write the water intake, temperature, soaking time and tea quantity parameters of tea production

3. The formula transfer button, click to retrieve the formula parameters on the left side of the current formula parameters

3. Click here to modify the tea name

5. Formula save confirmation button, click to save the current formula

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4.2 Operation process of tea making

Step 1: the equipment is in standby state (only when the first startup every day, the rest of the time)

Step 2: Put the filter bag into the teahouse (note that the filter bag is placed correctly and spread the bottom as much as possible)

Step 3: Pour the weighed tea leaves into the tea bucket

Step 4: Cover with the tea bucket

Step 5: Place the tea-making area in the tea-making area of the equipment

Step 6: Prepare the tea picking container and ice cubes (according to the actual tea making process), and place the tea picking container on the base of the tea brewing machine

Step 7: Select the corresponding product and click to enter the formula page

Step 8: Confirm the formulation parameters or call the standby parameters

Step 9: After confirming that the parameters are correct, click the "Start" button

Step 10: the screen enters the tea making display page and enters the automatic tea making process. The whole process will go through the " water- - - - - -braised bubble------

Out of the tea soup " three processes.

Step 11: When the stewing process is over, the equipment will automatically produce the tea soup, and the tea soup flows from the bottom of the tea bucket into the tea container

Step 12: After the tea is out, the device will play the voice "Please confirm when the tea is completed", and the screen will pop up the box and click the screen

The equipment enters standby

Step 13: Take away the tea soup, and take out the tea bucket, clean the tea bucket, filter bag, the body residue splash tea soup.

5 Cleaning and maintenance of the tea cooking machine

For Your Attention!

The equipment for the tea machine to make tea raw materials for milk tea shops belongs to the scope of food equipment. Therefore, the high level of food safety is required. In the process of using the tea machine, all parts of the equipment should be cleaned in a certain period:

Clean the object	Cleaning cycle
filter-bag	After each use
Tea bucket	After each use
Boiling machine body	q.d
Storage hot water box	Admidia 30 days

6 The Internet connection of the tea cooking machine

For Your Attention!

Before the tea machine is connected to the network, make sure that the WiFi network signal to be connected to the device is stable and smooth.

6.1 Access to the WiFi network

1. Click the administrator icon in the upper right corner of the main page to enter the administrator interface
2. Click the logo in the upper right corner of the administrator to enter the calibration page
3. Click the wifi account input box, enter the wifi account, # beginning, # end, for example, wifi account name is JZKJ, input time need to input # JZKJ #
4. Click on the wifi password input box to enter the wifi password, # beginning, # knot. For example, the wifi password is 12345678, when the input to enter # 12345678 #

6.2 Log in to the "Jiaze Iot System"

1. According to the website, account number and password provided by the manufacturer, enter the tea maker Saas cloud management system
2. Click the equipment information management on the left side of the page to view and set the basic operating parameters of the machine, tea making formula, alarm records, etc
3. Click on the device sales summary on the left side of the page to view the historical usage of the device

6.3 Introduction of "Jiaze IOT System"

1. The equipment parameters are not recommended by the user, and can be modified after contacting the manufacturer for confirmation

2. Equipment formulation setting, with four buttons:

A. Whether the boot synchronization data, if so, the machine automatically synchronization cloud data to the local every time

B. Edit the recipe, and click on it to edit the recipe of each tea

C. For batch application, the formula of the current machine can be applied to other machines, and you can select one or more machines to be applied at the same time

D. Synchronize the data, and manually synchronize the cloud data to the local area

3. Tea soup period setting. Click the edit period button to set the failure time of each tea. After editing, if the tea soup is expired, the wechat mini program will have a push reminder (wechat mini program refer to the fourth section)

7 Troubleshooting

For Your Attention!

The program logic of the tea cooking machine monitors the operation of the equipment in real time. Once the operation deviation is found, an alarm warning will be issued. After seeing the fault reminder on the screen, the user can consult the following table for simple troubleshooting.

Fault code	Possible cause	terms of settlement
ER1	The inlet water valve is not open	Check the water source switch to be turned on
	The water pressure in the water is too low	Check the water source pressure to ensure a pressure greater than 1bar
	The water level threshold parameter is set too low	Please check that the water level threshold is in the middle of the water and no water resistance value, normally set to 500
	The inlet water solenoid valve is damaged	Replace the inlet valve, and feedback the development analysis of the cause of material damage
	Pipe blockage	Dredge the pipeline or replace the water inlet pipe
ER2	Water level probe line is inserted	Check the line and check the correct connection terminal
	The water temperature probe is damaged	Replace the probe, and feedback to analyze the cause of material damage
	The PCBA input circuit problem, the chip does not read the signal	Replace PCBA board and feedback the cause of material damage
ER3	Heat storage NTC temperature rise resistance value is unchanged	Replace heat storage NTC, and feedback jia ze R & D analysis of the cause of material damage
	The PCBA board has no output	Replace PCBA board and feedback the cause of material damage
	The PCBA input circuit problem, the chip does not read the signal	Replace PCBA board and feedback the cause of material damage
	The heating pipe is damaged	Replace the heating pipe, and feedback to analyze the cause of material damage
	Heat storage NTC terminal connector is loose	Plug the heat storage NTC connection terminal firmly to avoid loosening or poor contact

ER4	Heat storage of NTC is damaged	Replace heat storage NTC, and feedback jia ze R & D analysis of the cause of material damage
	The PCBA input circuit problem, the chip does not read the signal	Replace PCBA board and feedback the cause of material damage
ER5	Heat storage NTC connection line is broken skin and short connection	Check the line, eliminate the short circuit point and conduct insulation treatment
	Heat storage of NTC is damaged	Replace heat storage NTC, and feedback jia ze R & D analysis of the cause of material damage
	The PCBA input circuit problem, the chip does not read the signal	Replace PCBA board and feedback the cause of material damage
ER6	Low water level probe monitoring error	Check the water level signal to ensure that the water level information feedback is normal
	Heat storage of NTC is damaged	Replace heat storage NTC, and feedback jia ze R & D analysis of the cause of material damage
	The PCBA input circuit problem, the chip does not read the signal	Replace PCBA board and feedback the cause of material damage
ER7	The parameter is set too high	Change the effluent parameter to be below 97℃
	Abnormal water pump (too small)	Check whether the pump speed of the pump is normal and replace the pump when there is obvious abnormality
	That is, the hot NTC is damaged	Replace the hot NTC, and feedback jia ze r & D analysis of the cause of material damage
	The PCBA input circuit problem, the chip does not read the signal	Replace PCBA board and feedback the cause of material damage
ER8	That is, the hot NTC terminal connector is loose	Plug the hot NTC connection terminal firmly to avoid loosening or poor contact
	That is, the hot NTC is damaged	Replace the hot NTC, and feedback jia ze r & D analysis of the cause of material damage
	The PCBA input circuit problem, the chip does not read the signal	Replace PCBA board and feedback the cause of material damage
ER9	That is, the hot NTC connecting line is broken skin and short connected	Check the line, eliminate the short circuit point and conduct insulation treatment
	That is, the hot NTC is damaged	Replace the hot NTC, and feedback jia ze r & D analysis of the cause of material damage
	The PCBA input circuit problem, the chip does not read the signal	Replace PCBA board and feedback the cause of material damage

ER10	Water pump hardware reason, operating performance decline	Replace the water pump, and give feedback on the analysis of the cause of material damage
	The base temperature in the heat storage pot is too low, and the pull-up temperature difference is greater than 32℃	Adjust the parameters, raise the base temperature of the equipment heat storage boiler, and control the outlet temperature difference at 32℃
	Flow meter itself reason	Replace the flowmeter, and feedback the cause of material damage
	The PCBA input circuit problem, the chip does not read the signal	Replace PCBA board and feedback the cause of material damage
ER11	The motor fails	Replace the motor, and give feedback on the analysis of the cause of material damage
	Motor gear rack is stuck	Adjust the mechanism to let the gear rack mesh normally, and make appropriate lubricating oil
	Microdynamic switch position shift, out of stroke	Adjust the microswitch position within the effective travel of the action
	Microdynamic switch fault, no signal feedback	Replace the micro switch, and feedback jia ze r & d analysis of the cause of material damage
	The PCBA input circuit problem, the chip does not read the signal	Replace PCBA board and feedback the cause of material damage

Product warranty card

GUARANTEE CARD

产品信息栏

产品型号：		保修期：	年
产品编号：			
销售日期：			

用户信息栏

用户名称：			
联系人：		电话：	
用户地址：			

保修记录

保修日期	故障及处理方法	完成日期	顾客签名

Warranty terms

This clause involves the agreement on the rights and obligations concerning quality and after-sales service. Our company provides the quality guarantee service for you. At the same time, please use your machine in strict accordance with the operation regulations of our company's operating manual, so as to avoid losing the right to enjoy the quality guarantee service of our company due to violating the regulations.

1. The free warranty period of HZ series Jiaze Wisdom tea maker is one year. During the warranty period, customers can enjoy free parts replacement and maintenance. After the warranty period, the parts cost and maintenance service fee will be charged appropriately, and the product will be maintained for life within the life period defined by our company.
2. The customer shall repair, maintain, refit and install the machine under the guidance of Jiaze technicians, otherwise, our company shall not be liable for any direct and indirect losses caused by it.

Paid maintenance services will be implemented for:

1. Damage caused by product installation not meeting product requirements, standards and related specifications;
2. Damage caused by the relevant accessories in the product installation environment not meeting the product requirements, standards and relevant specifications;
3. Damage caused by users' improper use, improper storage, unauthorized disassembly and unauthorized

maintenance;

4. Damage caused by natural disasters (such as earthquake, flood, lightning strike), external disasters (such as fire, house collapse);
5. Fault or damage caused by improper relocation, transportation and storage;
6. Over the warranty period.

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.