

Instrument Cleaning Machine

User Manual

65L



01 Overview

Product Brief Introduction & Feature

The machine accord with the new oral disinfection technical specification requirements, realized fully automatic washing, simple operation, energy conservation and environmental protection, and with strong practicability. The design of mesh basket plus professional mobile cleaning bracket and super capacity can satisfy one-time cleaning for the dental hand pieces, appliance, surgical instruments and other experimental vessels. According to the instruments type, our machine is optimized to provide six smart washing procedures to meet the diversification of cleaning .

02 Safe Handling Attentions

Warning

Please read the instruction before using to avoid accidents

- Incorrect grounding lead connection may take you dangerous.
- Please check the reliability of the grounding lead connection. Do not use self-buying power cord. If your socket is not match with our machine's power cord, please find a qualified electrician to match it for you
- Do not use the washer before installing it properly
- if the soft wire of power supply is damaged, in order to avoid danger, must ask maker's professional person to change for you.
- Please do not use the function if the machine without.
- When installing, do not over bend and squeeze the power cord.
- Do not change the connection of the circuit board.
- If overflow occurs, turn off the tap before repairing.
- If the chassis is flooded due to overflow or leakage, the water must be wiped up

before starting the machine.

- The machine must be used indoor.

Attentions

1 . When the machine is working, please do not open the door to avoid burning by the steam. If you need open the door midway, please press the "pause" button and take safeguard protective, then open the door slowly.

2 . Do not place any heavy object on the opening door of the machine. The door should not keep in open status all the time.

3 . Must be sure that the power cord of the machine is properly grounded. The machine is with grounded lead's connection terminal, so please use the matched socket with the terminal. Please make sure that the power cord is connected, the machine's grounding wire can be effectively connected with public power of the ground wire.

4 . Do not place instruments over the cleaning tank.

5 . Do not plug or pull the power plug by wet hand .

6 . Do not wipe the surface of the machine by something with solvent and abrasive.

7 . Must avoid Strong electromagnetic interference when using.

8 . Must use special Multi-enzyme detergent and other products cannot instead of it.

9 . The machine with water softener must use special salt, and it is not allowed to replace the salt with edible salt. After adding salt, must run the washing program to prevent the salt water overflow from corroding the filter, inner and other important parts.

10. When maintenance the machine or long-term not using, must unplug the power plug and turn off the faucet.

03 Technical Feature

Product Parameters

- 1 . Power supply: 220V 50Hz; Rated power: 1380W
- 2 . Rated external water pressure : 0.04- 1.00MPa , Supporting cold/hot water;
- 3 . Internal flow pressure: 0.3-0.4MPa;
- 4 . Collocating intelligent water softener: Adding special salt can improve water quality and enhance cleaning effect;
- 5 . Safety device : Automatic fault diagnosis (prompt) and emergency shutdown;
- 6 . Lumen volume: 65L;
- 7 . Dimension-Main Unit: 550*500*680 (L*W*H mm) ;
- 8 . Packing size: 650*610*800 (L*W*H mm) ;
- 9 . Net weight: ≤30kg;
10. Working Noise : ≤50dB。

Packing List

| | | | |
|----------------------|----------|------------------|-----------|
| 1.Machine | 1 piece | 8.Drain pipe | 1strip |
| 2.Cleaning basket | 1 piece | 9. printer | 1 piece |
| 3.Salt hopper | 1 piece | 10.Rubber Port | 24 pieces |
| 5.Cleaning rack | 1 piece | 11.End cap | 24 pieces |
| 6.Accessories basket | 1 pieces | 12.Measuring cup | 2 piece |
| 7.Water inlet | 1 strip | | |

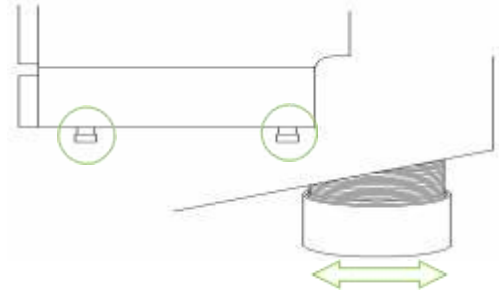
04 Installation Instructions

- ◆ Remove the packing and install mounting plate.

Remove the packing, then open the front door of the machine and remove accessories . It is strictly prohibited to test the machine on foam bottom mat or cleaning it.

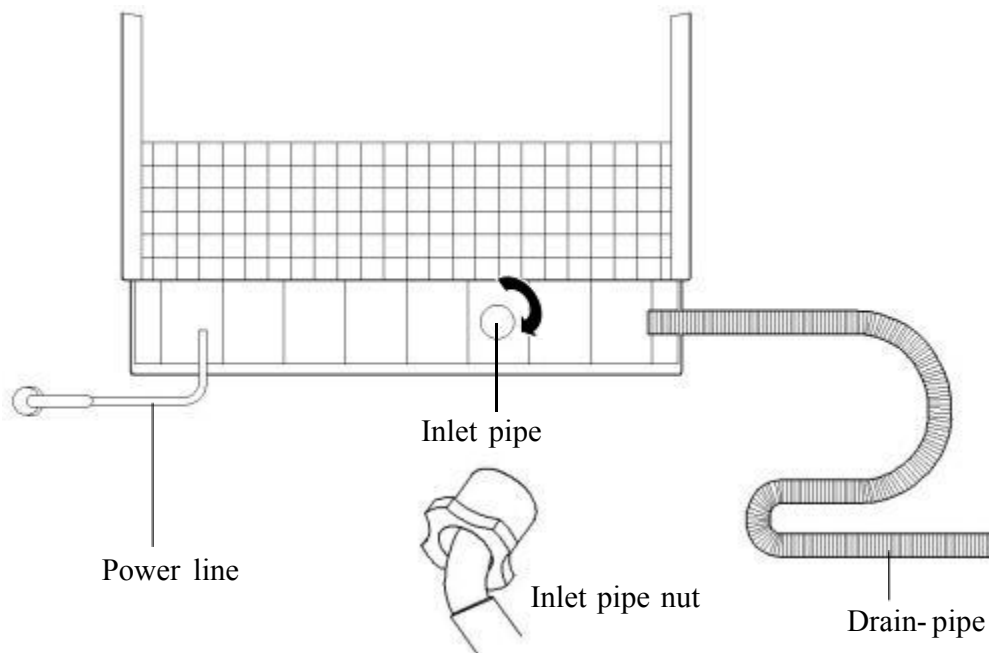
- ◆ Place the washer

The ground should be solid and flat, you could adjust the height through rotating the stand bar to keep it in level.



- ◆ Inlet pipe installation

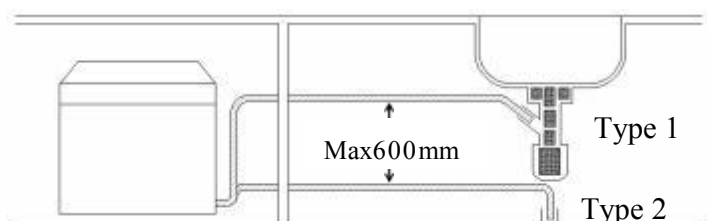
The inlet pipe need connect to the inflow blast hole on the back machine, and the inflow pipe's elbow should be horizontal and same direction as the inlet water.



- ◆ Drain-pipe connection

Put the outlet water end of the drain pipe into the sink or sewer line. In order to ensure the washer's performance , the length of drainage pipe should be not exceed 5 meters, the hanging height of the drainage pipe should be not higher than 600mm , not lower than 300mm.

Two types



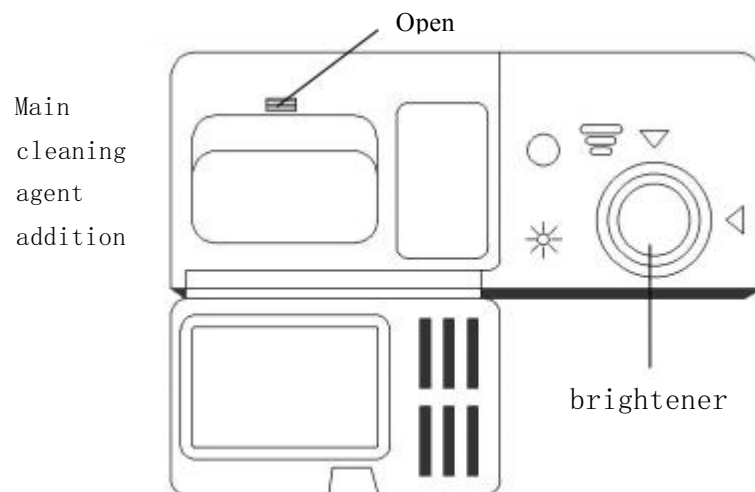
◆ Power connection

Connect the power socket well. The power voltage and frequency should be same as the parameters of the product.

05 Direction For Use

Dispenser Using

Gently press the open cover button to push outward along the direction of the arrow. As the picture showing to open the dispenser and add the needed multi-enzyme abluent and brightener.



When the brightener is filled about 100ml, the number 1-6 at the place where the brightener is used can be added several times at one time. The factory default value is position 4. If the light effect is not ideal, the rotary knob can be used to adjust the amount of standard brightener 4ml.

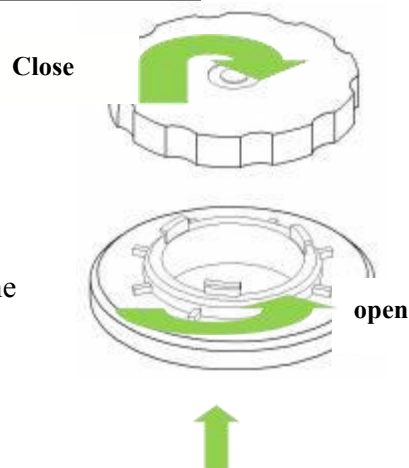
Special Salt Addition

Counterclockwise open the cover of the water softener and insert the salt hopper.

Need add about 70g of special salt for each machine , which can be used many times for one addition.

After adding salt, add water to the water softener, do not overflow; clockwise rotate the softener cover to prevent salt leakage from corroding the inner tank. If salt is spilled on the bladder, the procedure must be run to flush once,

Note: The indicator light may not be off immediately after adding salt, which is normal and will not affect normal use (Due to differences of water quality and room temperature, it will take 2 to 6 days for salt to be dissolved and reach saturated state) .











Tap Position of Water Softener

The water softener can soften the water quality, reduce incrustation and play a certain role in improving the cleaning. If the water quality of your area is hard, we suggest user to add salt into softener.

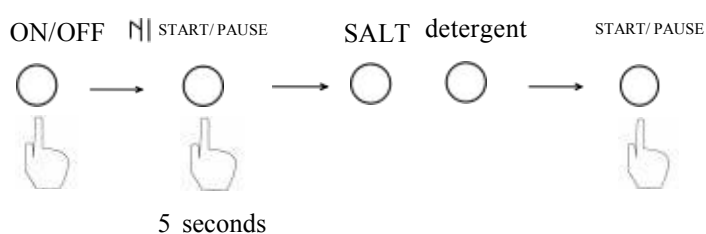
When need add salt, the special salt indicator will be on. Soft water factory default value is H4.

| Hardness of water (ppm) | Hardness position display | The corresponding program indicator light is always on | Salt consumption (G/Cycle) |
|--------------------------------|---------------------------------|-----------------------------------------------------------|------------------------------------|
|--------------------------------|---------------------------------|-----------------------------------------------------------|------------------------------------|

| | | | |
|----------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 0-90 | 1 |  Prerinse | 0 |
| 91-200 | 2 |  Hand pieces | 6 |
| 201-300 | 3 |  Hand pieces  Prerinse | 12 |
| 301-400 | 4 |  Instrument | 20 |
| 401-600 | 5 |  Instrument  Prerinse | 30 |
| Over 600 | 6 |  Instrument Hand pieces | 60 |

The setting of gear position is as follows.

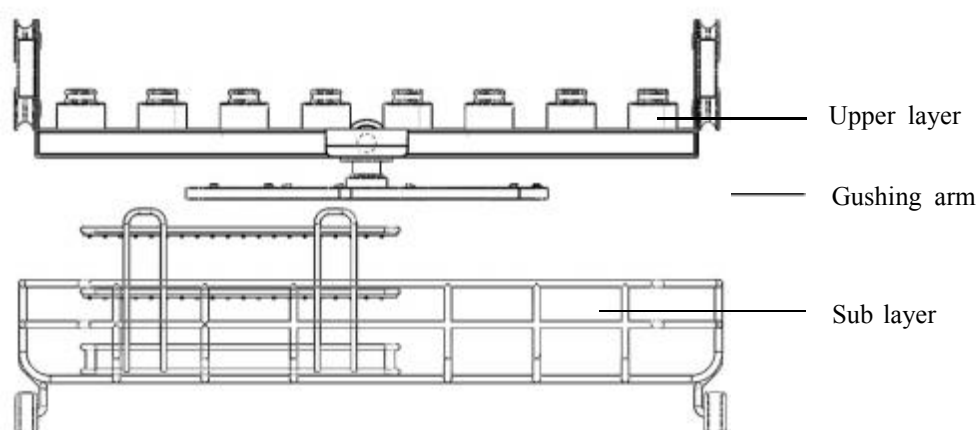
Press the power button to start, then press the



start/pause button within 60 seconds for more than 5 seconds to enter tap position setting mode, if not press start/pause button within 5 seconds, which will quit the setting mode.

Place of Instruments

The cleaning area of instruments washing machine is divided into two layers, which can be used by your demand.



◆ Upper hand pieces cleaning rack placement



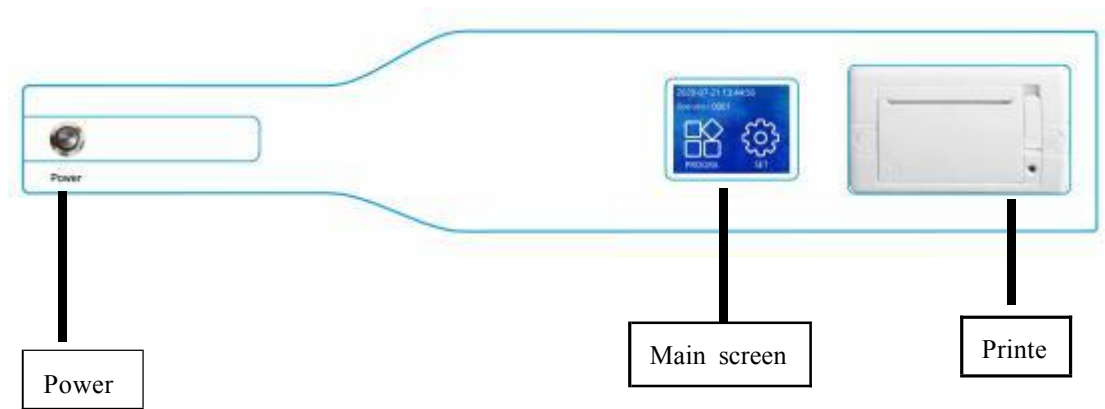
The hand pieces are inserted directly into the rubber seat of the rack. Please do not put it to the bottom to prevent water from flowing into the hand pieces. The rack can clean at most 24 hand pieces each time. when the machine working, you could cover the end cap on the rubber seat.

◆ Sub Layer



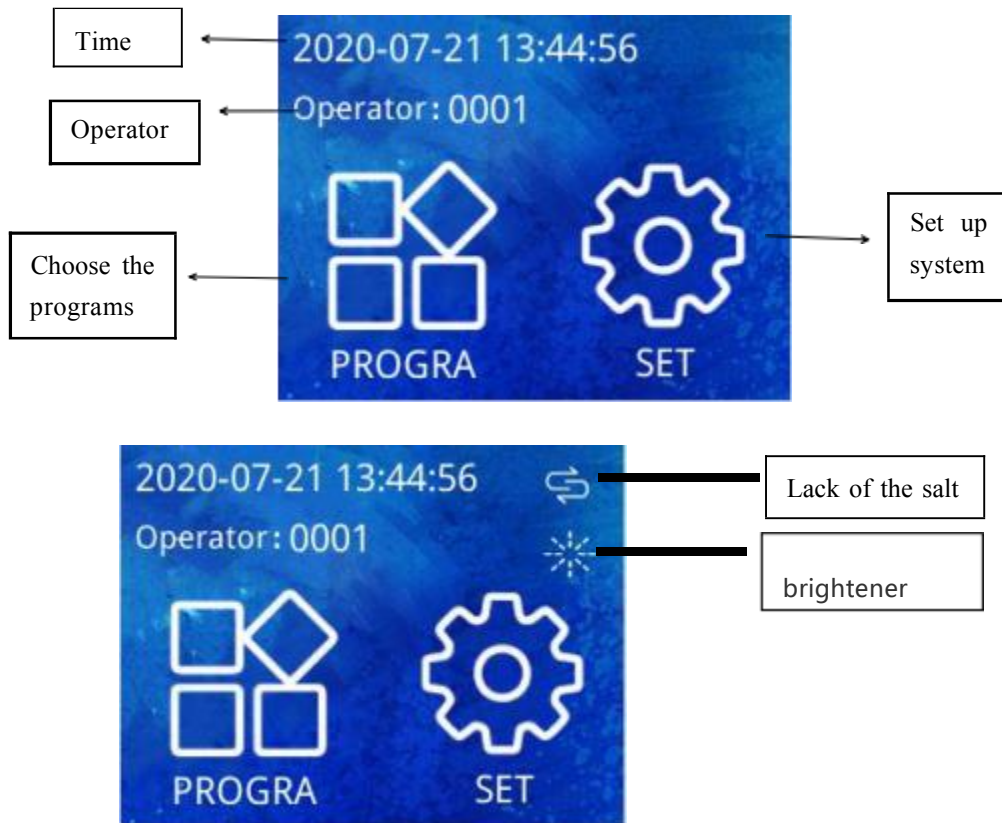
The sub layer basket can be used matching the accessory basket, It can be placed more than 100 mouth mirror, 20 tooth forceps, 70 forceps apparatus sterilization box tray and so on each time.

Description Of Control Panel






Press power key to start the washing machine and enter the standby status; You can choose the washing programs as per your requirements.

The introduction for the LCD screen



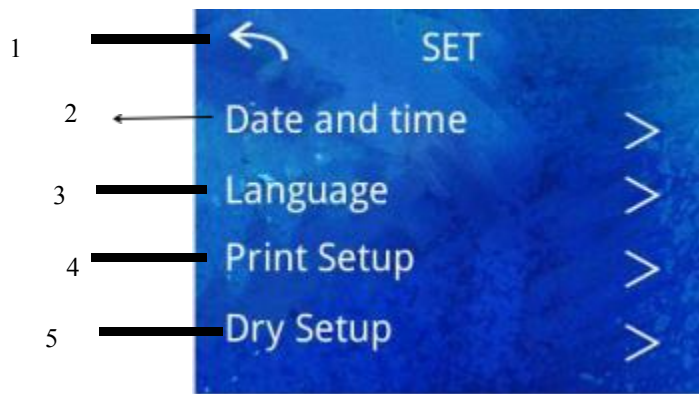
The interface of the program choose



- ① choose the washing programs per your requirements.
- ② Set up the Dry function:the dry function is closed by default. press the dry key,the dry function is on when the key turn dark.
- (not all the machine have the dry function)
- ③ Set up Disinfect function:the disinfect function is closed by default.press the disinfect key. The disinfect function is on when the key turn dark.
- ④ The display of the water temperature
- ⑤ Start/pause:after choosing the program, press the  key key. The program start up.press the  key to pause.
- Notice: when the program is running,except the start/pause key.other key are no longer in force.
- ⑥ Stop the program. Press the  key .there will a notice “whether cancel this program” . press yes, this program will be stop.
- ⑦ when the program stop running, the machine can back to main interface.

Notice: bec the different type of the machine, some machine do not have the dry function. So the dry key is empty.

System set up



- ① Back to interface: you can back to main interface after setting up.
- ② Set up the Date and time: touch it, you can edit the date and time.
- ③ Set up the language: you can choose English or Chinese
- ④ Set up the printer:

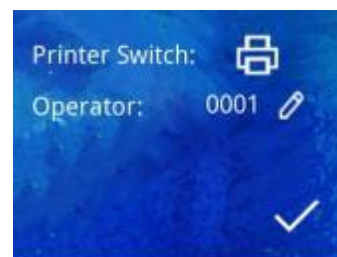
You can set up open the printer



Or close the printer



Also you can edit the operator number



- ⑤ Set up the dry function:

You can set up the different dry time

As per the different programs

Notice: The quick washing no the dry function



Using Introduction

- 1 . Connect the power plug.
- 2 . Open the machine door, press button left as per the arrow indicating, open the dispenser cover, pour the multi-enzyme detergent into the box then close it.
- 3 . Select the appropriate instruments placement method according to your need and put it into the washer. Then close the washer door and confirm the door is closed and locked (A snap can be heard when the lock is tight) .
- 4 . Press the ON/OFF, start power supply.
- 5 . Open the water valve (keep not closed during washing), and select the washing procedure, then press the start/pause button for cleaning.

Open the machine door after finish washing 5 minutes and remove the instruments.

Washing Procedure Introduction

| programs | Description | Detergent | Running time (minutes) | Extra program |
|---------------|----------------------------------------|-----------|---------------------------|--------------------|
| Heavy dirty | Heavy pollution or stored long time | 10ml | 65 | +dry +disinfect |
| Light dirty | Light pollution or immediately washing | 10ml | 50 | +dry +disinfect |
| Hand piece | Short washing time for hand piece | 10ml | 40 | +dry +disinfect |
| Quick washing | Short time washing with cold water | 0ml | 12 | —— |

Notes: The main washing water intake is about 3~3.5L, please add cleaning enzyme at a ratio of 300:1 (that is, 300ml of water needs to add 1ml of cleaning enzyme).

For example, with the "+disinfection" function, the running time will be extended by about 30 minutes; with the "+drying" function, the duration can be set by yourself.

The total cleaning time is the running time of each program + disinfection time + drying time.

The running time values provided in the table are for reference only, and there may be differences in actual use due to differences in ambient temperature, tap water temperature, pressure and cleaning equipment.

Common Fault Solving

When the washer break down, you check the Malfunction Analysis & Exclusion to help you deal with some common faults. If you cannot solve the problem by yourself, please ask a professional for help.

| Malfunction | Possible Cause | Solutions |
|-----------------------------------|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| The washer can not operate | Fuse blowout, Breaker off. | Replace the fuse or reset the circuit breakers and disconnect other devices that share same line with the washer |
| | The power is not on. | Make sure the power is turned on and the door is closed. Make sure the power plug is properly connected to the socket. |
| | Water pressure is too low. | Check the water inlet equipment to make it connected ok and the faucet turned on. |
| The drainage pump cannot stop. | Overflow occurs | The washer with overflow protector, When overflow occurs, the circulating pump will be closed and the drain pump will be opened. |
| Noisy | The internal instruments were not placed correctly | Make sure each instrument in the washer is properly placed. |
| | The pump hum | If the washer is not used regularly, need make sure the water inflow and drain every week, which could keep the sealing strip moist. |
| There is foam | Incorrect use of the detergent | Please use special detergent. If foam occurs, running the cleaning process until the foam cleared away. |
| There is steam | Normal phenomenon | When draining, a bit amount of steam leaks through the door |
| Water remains on the inner bottom | Normal phenomenon | A bit amount of water on the inner bottom could keep the sealing strip moist. |
| Leak water | Uneven installation of machine | Make sure the washer is in level. |

Error code: in case of failure, the washer control LCD section will display as follows:

| Display usage | Implication | Possible cause | Solutions |
|------------------------------------------|------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
| The prerinse indicator flashes quickly | Water inflow anomalies | The water pressure is too low; Inlet pipe clogging; Faucet is not open. | Check whether the faucet is open and check the water pressure or ask professional maintenance person to repair. |
| The instrument indicator flashed quickly | Overflow occurs | some parts of the washer is leaking | Please turn off the tap and ask professional maintenance person to repair it |

07 Maintenance

Maintenance

- 1 . Wipe the washer door's edge with a soft wet cloth every day.
- 2 . Cut off the water and open the door slightly to prevent moisture and odor.
- 3 . Clean the filter.

In order to maintain a good performance and washing effect, you should clean the filter components regularly. Remove the coarse filter after each washing and rinse under running water, Unscrew the lifting cup, then lift up to remove the lifting cup and filter components. the filter components should be cleaned each week, Brush can be used to clean the coarse filters and micro-filters.