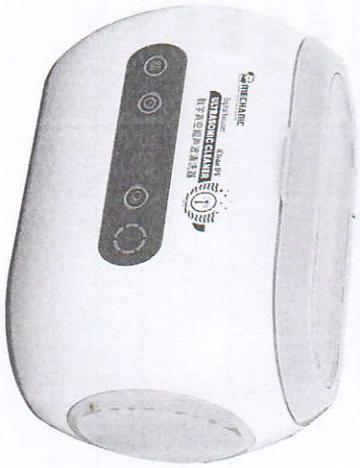


iClean-DV

数字真空超声波清洗器
DIGITAL VACUUM ULTRASONIC CLEANER

用户手册
USER MANUAL



维修佬® 大师



聲明：本公司保留改進升級產品的權利，產品規格及設計如有變更，恕不另行告知。
Statement: The company reserves the right to improve and upgrade products, product specifications and design are subject to change without notice.

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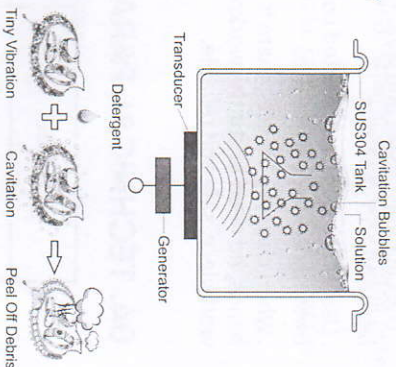
01. PACKING LIST

Please confirm whether the packaging of the household ultrasonic cleaner you purchased is complete. If the packaging is damaged or the accessories are missing, please contact your dealer as soon as possible.

- Ultrasonic cleaning machine * 1
- cleaning basket * 1 set
- Instruction manual * 1

02. PRINCIPLE OF ULTRASONIC CLEANING

Ultrasonic cleaning is based on the cavitation effect caused by high frequency ultrasonic wave vibration signal in the fluid. Microscopic bubbles are formed, and then implode violently causing the cavitation which create an intense scrubbing action on the surface of the item being cleaned. The bubbles are small enough to penetrate microscopic crevices, cleaning them thoroughly and consistently. Ultrasonic cleaning is extremely effective at removing dirt and grime which would normally require tedious manual cleaning by hand. It has been used to clean a wide variety of instruments and mechanical parts such as carburetors, returning them to almost "like new" condition without damage to delicate parts.



03. PRODUCT FEATURES

- . This product set time with memory function.
- . This product uses light touch buttons, high precision, long life, strong anti-interference, and good stability.
- . The sonic power conversion efficiency is high, and the cleaning speed is fast, which is several to dozens of times higher than the efficiency of traditional cleaning methods.
- . The cleaning effect is good, the cleanliness is high, and the hidden places of deep holes and irregular workpieces can be effectively cleaned.

- Ultrasonic cleaning can also kill bacteria, dissolve organic pollutants and prevent corrosion on objects.
- Classic and efficient design, which can save solvent, heat, work space and labor when cleaning the workpiece.
- High-quality personal customization, digital button control, led screen digital display time 90-720 seconds 12 time periods can be set freely.
- The cleaning process time countdown display, the default working time is 180 seconds.
- The cleaning tank is made of high-quality sus304 stainless steel by one-step stamping, without welding, and good waterproof performance.
- The cleaning basket and watch holder are injection-molded, which is beautiful and generous.
- Using high-quality imported core components, PCB board moisture-proof treatment, long service life.
- When cleaning objects, there is no need to touch the cleaning liquid with hands, no need to stir the workpiece, no damage to the surface of the workpiece, safe and reliable.

04. TECHNICAL PARAMETER

| | |
|-----------------|------------------------|
| Model | iClean DV |
| Inner Tank Size | 155x98x52 mm (L*W*H) |
| Dimensions | 200x140x138 mm (L*W*H) |
| Capacity | 600 ml |
| Power | 35 W |
| Frequency | 42 KHz |
| Time Setting | 90-720 S |

05. APPLICATION

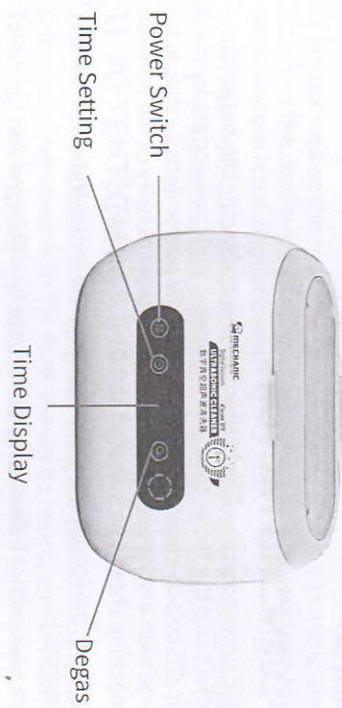
Laboratories, electronic workshops, optical shops, jewelry shops, watch shops, mobile phone repair shops, dental clinics, offices and homes, etc.

06. INSTALLATION AND PREPARATION

1. After unpacking, check whether the parts are loose;
2. Place the machine in a ventilated and dry place, make sure the machine is in a horizontal position;
3. Choose a suitable cleaning solvent, water or other solution according to the characteristics of the cleaning object;
4. Connect the power plug correctly and make sure the connection is secure.

07. INSTRUCTIONS

7.1 PRODUCT STRUCTURE



7.2 INSTRUCTIONS STEPS

1. Open the main cover, add appropriate cleaning fluid to the stainless steel cleaning tank (no water operation will damage the machine), and put the items to be cleaned into the tank (the parts that need to be cleaned should be fully immersed in water, but the water level should not exceed the maximum Water mark "MAX").

2. Close the transparent cover, turn on the power, and the time displays "180".
3. Press the "ON / OFF" button to start a 180-second countdown of the default working time. The ultrasonic cleaning tank emits a "sizzling" sound due to work (the continuous working time is recommended not to exceed 30 minutes).
4. To set the working time, press the "TIME SETTING" key. Each press increases the working time by 90 seconds, and the maximum adjustable is 720 seconds. Long press the "TIME SETTING" button, the time returns to the default working time of 180 seconds.
5. Press the "DEGAS" button, the cleaning machine will start the degas mode to work, working for 7 seconds and stop 1 second in the cycle mode; the working time starts to count down.
6. Degas mode/ultrasonic mode can be switched at will, and it can be switched easily by pressing different function keys.
7. After the working time is completed, the time display area displays the working set time.
8. After cleaning, please turn off the power of the whole machine, take out the items, pour out the cleaning liquid, clean and maintain the tank and the periphery with a clean cloth, and store the product in a cool and dry place for next use.

08. INFLUENCING FACTORS

1. Ultrasonic power density: The higher the power density, the better the cleaning effect and the faster the cleaning speed. High power density should be used for difficult-to-clean workpieces, and low power density should be used for precision workpieces (the ultrasonic power density of the general cleaning machine should be selected at 0.01-0.02w/mL);
 2. Cleaning time: the longer the cleaning time, the better the effect (except for special materials);
 3. There are many other influencing factors, such as the type and nature of cleaning fluid and dirt.
- ## 09. MAINTENANCE
1. Check whether the contacts of the power supply and output lines are loose, overheated, damp, and poor contact;
 2. Check the sealing of the cleaning tank for leaks;
 3. If you find that the ultrasonic transducer falls off or the power tube is burned out, please contact the factory;

4. The working and storage place of ultrasonic equipment in a ventilated, dry and clean environment is conducive to the long-term efficient use of the equipment.

10. APPLICATION SECURITY

1. Please choose AC 110V/60Hz or AC 220V/50Hz according to the actual voltage of the host;
2. Warning: This product has dangerous voltage, please do not use it directly in high temperature and humid places to prevent electric shock;
3. Do not drop or hit the machine, and handle it with care when moving, so as not to affect the efficiency and life of the machine;
4. Please place the machine properly to avoid accidents caused by improper operation of children; power must be disconnected when lying down on maintenance to avoid safety accidents;
5. When the machine is working, there is high pressure inside, so you can't remove the casing by yourself to avoid danger;
6. If the power cord is damaged, please contact our service center or dealer in time for replacement;
7. When cleaning the cabinet, unplug the power cord and wipe it with a soft dry cloth;
8. Do not expose the machine to rain or splash water to avoid electric shock or fire, and avoid placing the machine in a place where the temperature is too high or humid;
9. In order to ensure personal safety, it is forbidden to disassemble the casing for repair and modification without authorization.

11. ATTENTION

1. When the ultrasonic is running normally, the uniform sound of the ultrasonic resonance with the tank should be heard, and the surface of the cleaning fluid is oscillating, only the splash caused by the hole blasting; if there is intermittent oscillation, please add a little cleaning fluid or reduce some cleaning fluid, Eliminating vibration is beneficial to cleaning objects;
2. Under the condition of ensuring that the cleaning objects are clean, work as intermittently as possible (because long-term ultrasonic work will increase the temperature accumulated in the cabinet, which is easy to accelerate the aging of the electronic components in the cabinet!);
3. Never use flammable cleaning agents;
4. When there is no cleaning liquid in the cleaning tank, it is forbidden to turn on the ultrasonic function;

5. Prevent the cleaning fluid and water from splashing into the chassis or the transducer (the cleaning fluid splashing on the transducer will cause leakage and short circuit of the machine, and damage the transducer at the same time);
6. If any foreign matter falls into the bottom of the tank, take it out immediately;
7. When changing or draining the liquid, make sure that the cleaning liquid in the tank is at room temperature, the ultrasonic function is off, and the power plug is unplugged;
8. The dirt in the cleaning tank should be removed after use;
9. Keep the appearance of the machine clean.

12. WARRANTY SERVICE

1. Identify the production date according to the production bar code, implement replacement service within two months, 18 months of free maintenance service, and enjoy paid service for life.
2. Replacement conditions:
 - A. Complete packaging and complete accessories;
 - B. It has not been disassembled and repaired without permission, the appearance is free of damage, corrosion, and the barcode of the body is intact.
3. During the warranty period, one of the following conditions is not covered by the free warranty:
 - A. Products without proof of purchase;
 - B. Damage caused by human factors, including products and voltages that are not used in accordance with the requirements of the instructions and label parameters;
 - C. The user disassembles the machine privately for maintenance and modification;
 - D. Products damaged due to force majeure caused by unavoidable factors (such as earthquake disasters, floods and lightning strikes, traffic accidents, etc.);
4. The purchase time is subject to the invoice or receipt date issued by the dealer;
5. The final interpretation machine of this manual and warranty card belongs to our company.

保修卡 WARRANTY CARD

| | |
|---------------------------|-----------------------|
| 姓名 (Name): | 电话 (Mobile): |
| 地址 (Address): | |
| 型号 (Model): | 购买日期 (Purchase Date): |
| 发票编号 (Invoice Number): | |
| 故障描述 (Fault Description): | |