

iClean 10D

数显超声波清洗器
DIGITAL 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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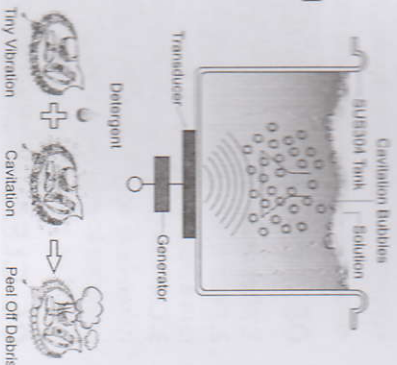
01. PACKING LIST

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.

- Digital Ultrasonic Cleaning Machine *1
- Power Cable *1
- Cleaning Basket *1
- 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

1. Ultrasonic circuit technology is comprehensively upgraded, and cutting-edge circuit design completely solves the industry application dilemma;
2. The cleaning is more refined, completely solving the blind area of ultrasonic cleaning;
3. The circuit conversion efficiency is as high as 98%, and the reactive power loss is extremely low;
4. Intelligent and humanized control circuit guarantees product reliability in

- all aspects and prolongs product service life;
- 5. Humanized digital display, power-off memory function, easier and faster operation;
- 6. The product cleaning tank is made of high-quality SUS304 stainless steel by one-time stamping, with long life and beautiful appearance;
- 7. The specifications of 6L and above have a drainage device to quickly discharge waste liquid;
- 8. SUS304 material special cleaning basket is optional;

04. APPLICATION

Ultrasonic cleaners have incomparable advantages over other physical cleaning or chemical cleaning, so they are widely used in households, service industries, electronics, medicine, laboratories, machinery, cemented carbide, chemical industries and many other fields.

05. INSTALLATION AND PREPARATION

1. After unpacking, check if the parts are loose;
2. Place the machine in a ventilated and dry place to ensure that the machine is in a horizontal position;
3. Connect the power plug correctly to ensure the connection is firm (three-hole socket must be used, and a reliable grounding wire must be provided to ensure safety);
4. Add an appropriate amount of cleaning agent as needed for cleaning.

06. CLEANING METHOD

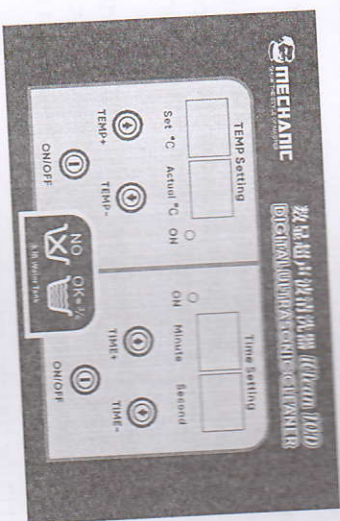
Clean water can be used for ordinary cleaning. When the product has not been cleaned for a long time or is dirty, please add an appropriate cleaning agent to enhance the cleaning effect. For longer items, it can be washed in sections.

07. OPERATION METHOD

1. Put water and some cleaning agent into the cleaning tank, plug in the power supply and power on (make sure that the power supply is reliably grounded), "Actual °C (actual temperature)" is the current ambient temperature, "Set °C (temperature setting)" The default is 0 °C, and the working time is displayed as default 3 minutes.
2. Adjust the working time of the ultrasonic: each time you press the "TIME+" key, the time will increase by one minute. If you press this key continuously, the time can be continuously increased by 1 minute. Press "TIME-" once, the time can be reduced by one minute, and press this key continuously to reduce the working time continuously for 1 minute.

3. Adjust the working temperature: each time you press the "TEMP+" key, the temperature will increase by 1 °C, press this key continuously, the temperature will continuously increase by 1 °C, press the "TEMP-" key once, the temperature will decrease by 1 °C, continue to hold this operation key, the temperature will continuously decrease by 1 °C, and the operation is invalid when it is lower than the actual temperature. When the temperature reaches the set temperature, the heating indicator light goes out. When the ultrasonic is working, the temperature displayed on the panel is the actual temperature.
4. After setting the working time and temperature, lightly press the temperature ON/OFF switch, and then press the ultrasonic ON/OFF switch. If you want to stop heating or ultrasonic, press the corresponding ON/OFF switch, the machine can stop heating or ultrasonic.

08. CONTROL PANEL



09. TECHNICAL PARAMETER

Model	iClean 10D
Inner Tank Size	150X140X100 mm
Dimensions	190X170X195 mm
Capacity	2000 ml
Ultrasonic Power	60 W
Frequency	40 KHZ
Time Setting	1-99 min

10. ATTENTION

When there is no liquid in the cleaning tank, the machine cannot be turned on, otherwise it will burn out the machine and invalidate the warranty.

1. When the ultrasonic is in normal operation, the uniform sound of the ultrasonic resonance with the tank should be heard, and the surface of the cleaning liquid has no agitation, only the splash caused by the hole blasting. If there is intermittent oscillation, please increase or decrease some cleaning fluid to eliminate oscillation;
2. Under the premise of ensuring the cleaning effect, work as intermittently as possible (continuous working time should not exceed 30 minutes), because long-term work will increase the temperature inside the machine, thereby accelerating the aging of the machine's electronic components;
3. Never use flammable cleaning agents;
4. When there is no cleaning liquid in the cleaning tank, never turn on the heater or ultrasonic;
5. Prevent liquids such as cleaning fluid or water from entering the case and on the vibrator; the cleaning fluid splashed on the vibrator will cause leakage and short circuit of the machine, and cause the chip in the vibrator to burn out.
6. If any foreign matter falls into the chassis, take it out immediately;
7. When changing or draining the liquid, turn off the ultrasonic and heating switches of the machine, unplug the power plug, and perform the cleaning liquid in the sink at room temperature;
8. Clean the dirt in the cleaning tank after use to keep the appearance of the machine tidy;
9. During the cleaning process, any weak inlays may loosen.
10. Do not put fabric products, leather products, wood products and other easily faded products into the machine for cleaning.
11. Do not put mobile phones and non-waterproof watches in the machine for cleaning.
12. Do not put glasses or handicrafts made of shells, tortoiseshells into the machine for cleaning.

★Note:

Because the ultrasonic transducer generates a lot of heat energy when it is working, other electronic components will also generate heat. This heat is conducted into the liquid in the sink. After a long time of operation, the liquid temperature can reach about 50°C, which is a normal phenomenon. Please rest assured!

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11. WARRANTY SERVICE

1. The company provides a free warranty of 1 year from the date of purchase.
2. Warranty is not granted in the following cases, but repairs can be implemented for a fee.
 1. Damage caused by human factors, including damage caused by use under abnormal working conditions and use that does not follow the instructions.
 2. Users disassemble and refit by themselves.
 3. Damage caused by force majeure (such as flood, fire, earthquake, lightning, etc.).
 4. Without product warranty card and valid proof of purchase.

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