

CNC CONSTANT POWER CONSTANT  
FREQUENCY ULTRASONIC CLEANING MACHINE

## USER MANUAL

- Please read this instruction manual before using
- Keep this manual for reference



Thank you for purchasing our digital ultrasonic cleaner, Hope that the company's products can give you more work and life convenience. Before you using this product, please read this user manual.

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## 1. Accessories

- a. one piece main machine
- b. one piece soundproof lid
- c. Power supply wire
- d. one piece mesh basket (optional)
- e. one user manual.

## 2. Ultrasonic Principle

Ultrasonic cleaning is based on the cavitation effect caused by high frequency ultrasonic wave vibration signal in the fluid. Microscopic bubbles are formed, and they 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.

## 3. Applications

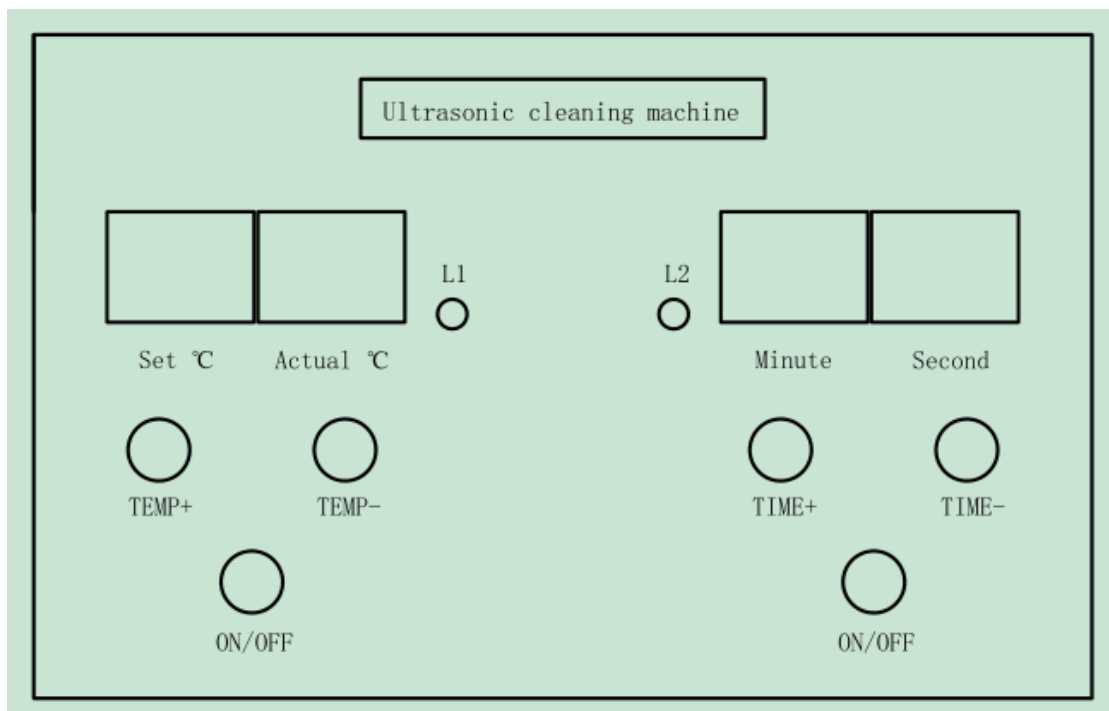
Service line, Electron line, Medicament line, Laboratory, Machine line, Horniness alloy line, Chemistry line, etc

## 4. Specifications

Model	Tank size	Overall size	capacity	Power	Heating Power	Frequency	Set time
	(L*W*H)mm	(L*W*H)mm	L	W	W	KHz	Min
KW-QXJ-08A	150*135*100	176*162*100	1.5L	60	100	40KHz	0-30
KW-QXJ-10A	150*135*100	176*162*100	2L	60	100		
KW-QXJ-20A	235*135*100	235*165*100	3L	120	100		
KW-QXJ-30A	300*150*150	325*175*150	6L	180	200		
KW-QXJ-40A	300*240*150	325*265*150	10L	240	250		
KW-QXJ-60A	330*300*150	355*325*150	15L	360	400		
KW-QXJ-80A	500*300*150	535*325*150	22L	480	400		
KW-QXJ-100A	500*300*200	535*325*200	30L	600	600		

## 5. Explanation Of Function Key

### Digital Ultrasonic Cleaner



## 6. Instructions for use

### 6. 1>Installation and preparation

- a) After unpacking, check for if there is any loose parts.
- b) Place the machine in a dry and ventilated place to ensure

that the machine is in a horizontal position;

c) Should connect the power plugs correctly and make sure it is securely connected. Be sure to use a three-hole socket, a reliable ground wire to ensure safety.

d) According to the need to add the appropriate amount of cleaning

### 6.2> The method of cleaning

Ordinary cleaning can be washed with water. When the product is not cleaned for a long time or more dirt, please add the appropriate cleaning fluid, it can enhance the super-cleaning effect. For longer items. it can be segmented cleaning.

### 6.3> Operation process

a) Please ensure that the power supply is grounded. Add cleaning solution to the cleaning tank, Plug in the power supply after the temperature shows the current ambient temperature, the temperature setting defaults to 0 degrees Celsius, working hours shown as the de fault 3 minute.

b) Adjust the ultrasonic working time: Each press TIMERA△ key once, the time increases one minute, holds down this key, the time can be increased continuously, Each press of TIMER△ once. the time can be reduced by one minute,

hold down the button, continuous reduction of working hours.

c) Adjust the working temperature: Each press TEMPERATURE▲ key once, the temperature is raised one degree cent grade. If you hold down this key, the temperature will be continuously raised one degree centigrade. Each press TEMPERATURE▲ key once the temperature will be down one degree centigrade. Hold down this but ton, the temperature can be continuously lowered one degree centigrade. When the setting temperature below the actual temperature, the operation is invalid. When the setting temperature reaches the set temperature, the heating light is off. The panel display temperature is the actual temperature when Ultrasonic working.

d) Set a good time and temperature. Tap the temperature ON/OFF switch, then press the ultrasonic ON/OFF switch. To stop the heating or ultrasonic then press the corresponding ON/OFF switch, the machine can be stopped heating or Ultrasonic working.

#### 6.4> Instructions after use how to care

a) Disconnect the machine power;

b) After the liquid to be cooled to be low 40 C. Discard the cleaning solution and clean the tank body and the periphery with a clean cloth, After use, store the product in a cool dry place for future use.

## 7. Warning

a) Don't plug in the machine with empty tank-be sure to fill in proper amount of liquid before plug-in the machine.

Otherwise, the neater could be damaged.

b) Never run the machine with low level of liquid to avoid damaging ultrasonic transducers and heater.

c) Please note that when you run heater, the liquid in the tank could vapor in the long time period, please keep watching the level of the liquid in the tank

d) Washing liquid spatters into the shaker results in creepage and short circuit. and burn the wafer as well.

e) Electrical abnormality will burn the transistor.

f) High voltage brings damages to the circuit and indicating lights etc.



Any parts is likely to loose during washing process.

Do not put fabric products, leathern products,  
wooden products into tank.

Do not put cell phone and unwaterproof into tank.

Do not put glass frame which are made of shell,  
hawkbill or craftwork into tank.