

**Manual for Micro Ultrasonic Cleaner**  
**CT-400 35W/65W**

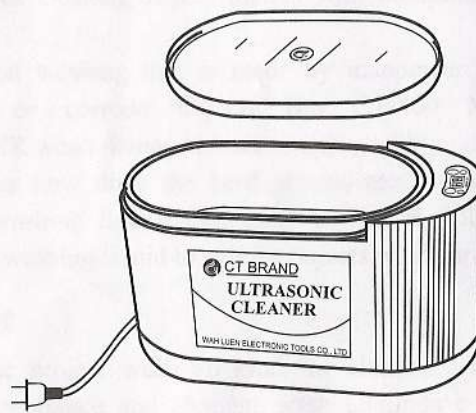


**CT BRAND**  
**ISO 9001**

## MICRO ULTRASONIC CLEANER

# **CT-400**

## **USER'S MANUAL**



**WAH LUEN ELECTRONIC TOOLS CO., LTD.**

## Brief Introductions

Ultrasonic cleaner utilizes the effect of cavitation and sound-pressure which are brought by intensive ultrasonic in liquid, and it makes washing liquid form many micro cavitated air bubbles. Air bubbles shrink and expand time after time in the effect of sound-pressure. When air bubbles crack, it will bring strong wallop. This strong wallop will make dirt separate from object and make the object clean.

Many types of ultrasonic cleaners are developed for customers' choice according to different use. There are single power / double power and LED display / LED digital display types for choice. The washing tank is adopted good stainless-steel to avoid corradng and wearing. The transparent spill-proof cover is easy for you to observe the washing course.

## Character

1. Owing to the effect of ultrasonic is taken place in whole liquid, no matter which surface that can touch the liquid can be cleaned. So it especially applies for cleaning object that is with complicated shape or with many cracks.
2. Traditional washing that is made by manpower or chemistry method will damage or corrode objects. But CT-400 MICRO ULTRASONIC CLEANER won't damage objects when washing.
3. No matter how dirty the hard objects are, as soon as the hard objects are dip by washing liquid, they can be washed fully clean. You can adopt different washing liquid to suit for objects which are in different character.

## Main Use

- Electronic project: wash all kinds of electronic element and circuit board.
- Optical appliance and element: wash all kinds of mirror frame and lens.
- House appliance: wash and clean jewellery, spectacles, watch chain and keys, etc.
- Maintenance for appliance in office: wash spout tip, spout nozzle, needle pen, pen and brush pen, etc.
- Maintenance for medical appliance: wash operating appliance and other medical appliance, etc.

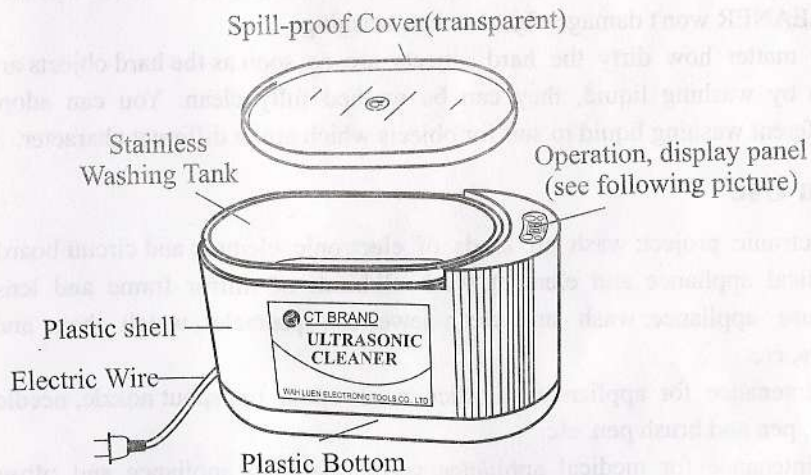
## Main Character

- Single power or double power (except CT-400A & CT-400B) is available to be selected to reach the best washing purpose.
- Select LED display or LED digital display showing how many time is left to stop.

## Main Parameter and Technical Index

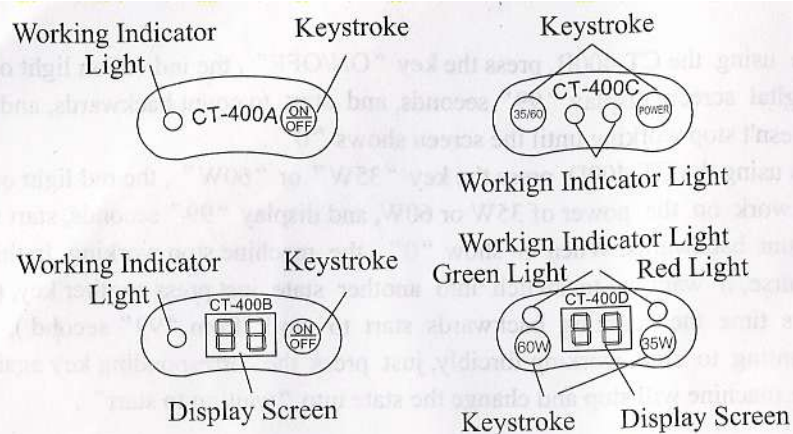
Working Voltage	200V $\pm$ 10% V AC	
Power Consumption	A、B Type	35W
	C、D Type	35W/60W
Display	A、C Type	LED Display
	B、D Type	LED Digital Display
Working Time of Each Sect	A、C Type	5 Minutes
	B、D Type	99 Seconds
Ultrasonic Frequency	43-45KHz	
Dimension of Tank (semicircle in both sides)	165mm (W) $\times$ 90mm (D) $\times$ 40mm (H)	
Dimension of the Unit (mm)	210 (W) $\times$ 105 (D) $\times$ 115 (H)	
Weight	1Kg	

## Introduction of Outline and Parts



(Picture 1)





(Picture 2)

## Operating Method

1. Add washing liquid: Add some washing liquid into tank (1/2~2/3 is the best), over the one-second of the tank, and dip over the object, (P.S. For reaching the best effect, please choose different kinds of washing liquid or add the washing liquid into water.
  2. Put on spill-proof cover, connect plug with power supply.
  3. Start the unit. (See picture 2)
- 1) **LED Display (CT-400A、C Type):** Press slightly POWER (or "ON/OFF"), the red light on. The machine works on 35W, and will close automatically in five minutes, and stop washing. If want to use it unceasingly, just press the key again. If want to work on 60W (CT-400C), please press "POWER" first, then press the switch key "35/60". Both of red lights are on at the same time, then it works on the power of 60W. In use, if want to switch the power (CT-400C), just press the key "35/60", the power will change, then after five minutes the machine stop automatically.  
If want to stop working forcibly, please press the key "ON/OFF".
  - 2) **LED digital display (CT-400B、D Type):** After plugging in, the self-check function of the machine works, display "60", "35" (CT-400B just display "35"), afterward display "99", and shines unceasingly, the machine waits for starting to work.

- a. As using the CT-400B, press the key "ON/OFF", the indication light on, digital screen display "99" seconds, and start to count backwards, and it doesn't stop working until the screen shows "0".
- b. As using the CT-400D, press the key "35W" or "60W", the red light on, it work on the power of 35W or 60W, and display "99" seconds, start to count backwards. When it show "0", the machine stop working. In this course, if wanting to switch into another state, just press another key, (at this time the counting backwards start to work from "99" second), if wanting to stop working forcibly, just press the corresponding key again, the machine will stop and change the state into "waiting to start".

### **Caution**

1. Please do not start the machine before washing liquid added into the tank to avoid damaging the machine.
2. It is not good for wash machine continuously working for a long, as it will damage the porcelain piece inside the machine for changing power. It should not on work more than one hour on 35W or not more than 20 minutes on 60W.
3. If it works on 60W, it is normal that the bottom of tank will give out a few of heat.
4. There are high-voltage circuit inside the machine, please do not touct or try to change it.
5. If you don't use the machine for a long time, please pull out the plug.



#### **WARNING**

**The voltage of part: inside machine for changing power is more than 1000V, so prohibit to touch it.**



#### **CAUTION**

**Please do not try to split or affix the changing power part, as it needs high sticking techni.**