

## DIFFERENT WAYS OF CLEANING

**General Cleaning**—Use only tap water. The water should immerge the items to be cleaned, but not exceed “MAX” mark.

**Enhanced Cleaning**—When the items are very dirty, add 1-2 drops of standard washing up liquid, liquid soap or detergent into water to improve the cleaning result. Other non-acidic cleaning agents can also be used.

## CARE AND MAINTENANCE

- 1) Check the joint of the power plug and cord.
- 2) **DO NOT run the machine for extended time or continuously.**
- 3) DO NOT impact, hit the machine. Handle with care when move the machine.
- 4) Wipe machine housing and tank with a dry towel before storing.
- 5) Keep machine in a cool, dry place when storing.

## STANDARD SPECIFICATIONS

<b>Model</b>	VGT-6250
<b>Tank Size(L x W x H)mm</b>	248 X 147 X 77
<b>Overall Size(L x W x H)mm</b>	259 X 230 X 207
<b>Power Supply(V)</b>	AC 100V~120V/60Hz AC 220V~240V/50Hz
<b>Capacity(ml)</b>	2500ml
<b>Ultrasonic Power(W)</b>	65W
<b>Heating Power(W)</b>	100W
<b>Ultrasonic Frequency(kHz)</b>	40kHz
<b>Timer Setting</b>	90→180→280→380→480 (s)
<b>N.W</b>	2.5kg
<b>G.W</b>	2.95kg
<b>Tank Material</b>	Stainless Steel SUS304

## DIGITAL ULTRASONIC CLEANER

VGT-6250

**USER MANUAL**



### FEATURES

- ◆ Digital control, **3-Color** LED display.
- ◆ 5 timer setting, over heating protection.
- ◆ With degas function.
- ◆ Within cool fan for steady and safety working.
- ◆ Industrial grade IC, moisture-proofed PCB.
- ◆ High-performance transducer systems.
- ◆ Large capacity tank for professional cleaning.

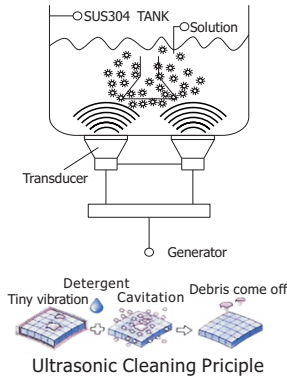
Thank you for purchasing the ultrasonic cleaner. Please take the time to read these operating instructions before use and retain them for future reference. Failure to follow these instructions may lead to serious personal injury and damage to property.

## ULTRASONIC PRINCIPLE

Ultrasonic cleaning is based on the cavitation effect caused by high frequency ultrasonic wave vibration signal in the fluid.

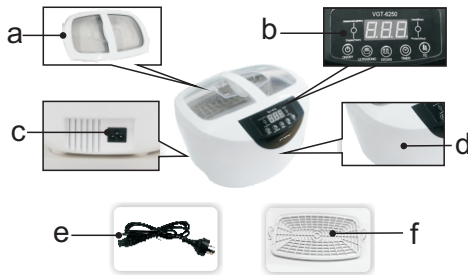
Microscopic bubbles are formed, and they implode violently causing the cavitation which create an intense scrubbing action on the surface of the item being cleaned. The bubbles are small enough to penetrate microscopic crevices, cleaning them thoroughly and consistently.

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.



## Contents:

- a: Lid
- b: Control Panel
- c: Power Socket
- d: Housing
- e: Power Cord
- f: Basket



03) Close the lid, plug machine into power outlet. press the "ON/OFF" button to start machine.

04) Press the "ULTRASONIC" button to start ultrasonic. the indicator light press the ULTRASONIC button again turn green, to stop ultrasonic, the indicator light turn off.

05) Select the "DEGAS" to start degas mode, Intermittent operation of ultrasonic power for rapid removal of entrained air from liquids, ultrasonic work 5 seconds and stop 2 seconds. the indicator light turn green and flashing. Same cycle proceed. Press the "DEGAS" button again to stop it, indicator light (green) turn off.

06) Timer Setting.

Press the "TIMER" button to set timer, LED display shows "090", press it again to set it to "180". the next each pressing make it to increase by 100 seconds.

## Adjust the timer according to the demand of cleaning items.

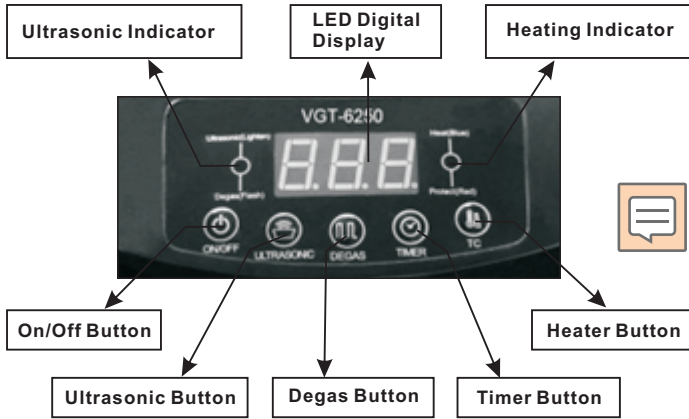
07) Press the "TC" button, heater is turned on, the indicator light turn blue, press the "TC" button again to stop heating, indicator light turn off.

08) When cleaning is completed, unplug the power cord, remove the lid and retrieve the items, Pour the water out through the pouring recess. Clean and wipe the tank.

When the water temperature reaches  $60 \pm 3^\circ\text{C}$ , overheat protect indicator light turn red, the heater will turn off automatically. when the water temperature below  $55 \pm 2^\circ\text{C}$ , heater will start to work automatically.

## OPERATION GUIDELINES

### PRODUCT STRUCTURE AND ACCESSORIES VGT-6250



## OPERATION

Indicator Light—Working Status.

Green-Ultrasonic normal working status.

Blue-Heater normal working status.

Red-Overheating protection.

01) Open the lid and fill the stainless steel tank with water.

**Note:Running machine without water may damage machine!**

02) Place items into water,the items should be completely covered by water.Do not exceed "MAX"level.

## SAFETY PRECAUTIONS



**Keep it away from children !**

This device is not intended to use by individuals with restricted physical, sensory or mental capacities or those with lack of experience or knowledge, include children, unless they are supervised by an individual who is responsible for their safety or have received training in operating the device. Store the unit where it is not reachable by children. Keep the package material away from children.



**To prevent life-threatening, please read the following very carefully!**

- Material away from children.
- Never immerse the machine or power cord in water or other liquid.
- DO NOT touch the power plug with wet hands, especially when inserting or removing the plug.
- DO NOT disassemble the machine, except by professionals.
- DO NOT spray water or liquid over the device.
- DO NOT operate the cleaner without proper grounding.
- When removing the power cord from the socket, grab the power plug not the cord.
- Please protect the power cord. Do not use the machine if there is damage of the power plug or power cord.
- Remove the power plug from the socket
  - if malfunction occurs
  - before cleaning the machine
  - if the device is not going to be used for a long time.
- Never plugged in the machine unattended.
- DO NOT touch the machine if the machine has fallen into water during operation. Remove the power plug from the socket first.

- DO NOT operate the unit without fluid in the tank. Always ensure the fluid is no higher than the max mark.
- DO NOT place the device on a soft surface, where the vents could be blocked.
- Keep machine away from heat and place on a dry and level surface.

## Caution

- 1) Not recommended for use with items that can be discolored, water logged, or damaged easily. Loose, delicate, or inlaid items may become dislodged by ultrasonic vibration.  
For example: Semi-precious stones, cloth items, leather products, wood items, costume jewelry, or soft stones like pearls, opals, turquoise, coral, emeralds, etc.
- 2) Do not place mobile phones or non-waterproof watches into tank for cleaning.
- 3) Do not place glass frames or art ware that is made from tortoise shell or abalone shell.
- 4) When cleaning smaller pieces, place items into the plastic basket, then place basket into tank.

## APPLICATIONS

Homes, Jewelry Stores, Labs, Dental Clinics, Shooting Clubs, Eyeglass shops, Watch Shops, Electronics Service Shops, Printing Shops, Automotive Shops.

- **Jewelry:**  
Rings, necklaces, earrings, bracelets, etc.

### Personal Items:

- Eyeglasses, watch bands, shaver heads, diver's watches, combs, dentures, etc.

### Dental Instruments:

Pliers, handpieces, etc.

### Lab Items :

Test Tubes, beakers, flasks, etc.

### PCB , Inkjet Cartridges

PCBs from mobile phones and MP4, printer-heads, etc.

### Gun parts, Brass

Reusable brass, bullets, etc.

### Precision Parts

Bearing, gears, valves, fuel injectors, etc.

### Tableware

Steak knives, forks, spoons, teacups, etc.

### Children and Baby Items

Toys, Speech therapy tools, etc.

