Cover

CE RoHS

MULTIFUNCTIONAL ULTRASONIC CLEANER

LCD DISPLAY

ADJUSTABLE POWER • LOW NOISE
SWEEP FUNCTION • DEGAS FUNCTION
HEATING FUNCTION • ADJUSTABLE TIME
MEMORY FUNCTION • SLEEPING MODE

PLEASE READ THIS MANUAL BEFORE USING

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OPERATION INSTRUCTIONS
PART 2

SETTING THE TEMPERATURE

Press the SET button until the "SETTEMP" icon is flashing, use adjustment buttons to select your desired temp setting. (Each button press will adjust temp by 1 degree Celsius or you can hold for continuous). Once finished setting the temp, press the button to start heating. The heating working status icon will flash. If the actual temp is ≥ the set temp, heating will stop and the status icon will stop flash. To stop heating function press the button once more. (The maximum seting temperature is 60℃)

Note: The unit will not enter sleep mode during heating.
(read more about sleep function below)

ACTUAL TEMP is actual current temp

WARNING

If you switch on the heater without water or other cleaning fluid in the tank, once the temp reaches the warning temperature it will trigger an alarm for 15 seconds; the triangle warning icon will appear on the screen.

SWEEP FUNCTION

With ultrasonic on press the adjustment button directly to start the sweep function, the icon flashes. To stop the sweep function press the button once more.

DEGAS FUNCTION

With ultrasonic on press the adjustment button directly to start the degas function, the icon flashes. To stop the degas function press the button once more.

SLEEPING MODE

After completed cleaning if the machine is left untouched for 5 minutes, it will enter sleep mode. Alternatively you can press the power button to enter sleep mode. The icon will light when in sleep mode. To return to active mode from sleep mode, simply press the power button again.

MEMORY FUNCTION

This unit will automatically save the most recently used setup parameters for next use. To repeat the last cleaning after entering sleep mode, just press the power button to re-activate the unit. You can now continue cleaning as normal using previous settings.

When the unit is not in use please unplug the power cable directly.

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FEATURES AND ACCESSORIES

1 LID 2 STAINLESS STEEL TANK 3 LCD DISPLAY / CONTROL PANEL 4 HANDLES

5 HEAT DISSAPATION VENTS 6 DRAINAGE VALVE 7 POWER CORD

8 POWER INLET* 9 CLEANING BASKET

*NO POWER INLET FOR MODEL TUC-450.

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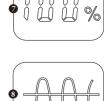
GENERAL GUIDELINES

1. Do not operate this unit without either water or cleaning fluid in the tank as damage may occur.

2. Do not use any corrosive cleaning fluid with strong acidity or alkalinity to avoid damage to the tank.

3. Before turning on the heating function fill the tank 1/2 – 2/3 full with water or cleaning fluid to prevent damage from the heating element.

4. Do not allow any objects or cleaning fluid to enter inside of the machine.

5. Do not operate the unit continuously for more than 99 minutes and please wait more than 30 minutes before next use, otherwise the lifetime of the unit will be shortened.

6. Whenever emptying or replacing water or cleaning fluid, make sure that the water or cleaning fluid in the tank is at room temperature or cool. Also be sure to turn off the device and unplug the power cord during this process.

7. After finished using, wipe down the stainless steel tank and housing with a clean dry cloth. DO NOT wash the unit with water directly.

8. This unit should be stored in a cool dry place, away from any heat sources and moisture.

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OPERATION INSTRUCTIONS
PART 1

GETTING STARTED

Place the unit on a flat and stable working platform.

Please add enough cleaning fluid (usually water) to the tank to completely immerse the items to be cleaned. The fluid level in the tank should always be about 2/3 full.

Connect the grounded power cable, the backlight of the LCD display will illuminate, If no setup parameters need to changed ,you can simply press the button to start the cleaning. If you would like to reset the heating temperature, timer or power level, please refer to the instructions below.

First press the SET button to select the item you wish to set up,with each press of the button, the 3 items will flash in the following order:

SET TEMP → TIMER → POWER

Once the desired item is flashing, use the adjustment buttons to set the parameter (item will time out and stop flashing if left untouched for more than 10 seconds.)

SETTING THE TIMER

Press the SET button until the TIMER window sarts flashing, then use the adjustment buttons to select your desired cleaning time. The time range is adjustable from 1 to 99 minutes (Each button press will adjust the timer by 1 minute or you can hold for continuous)
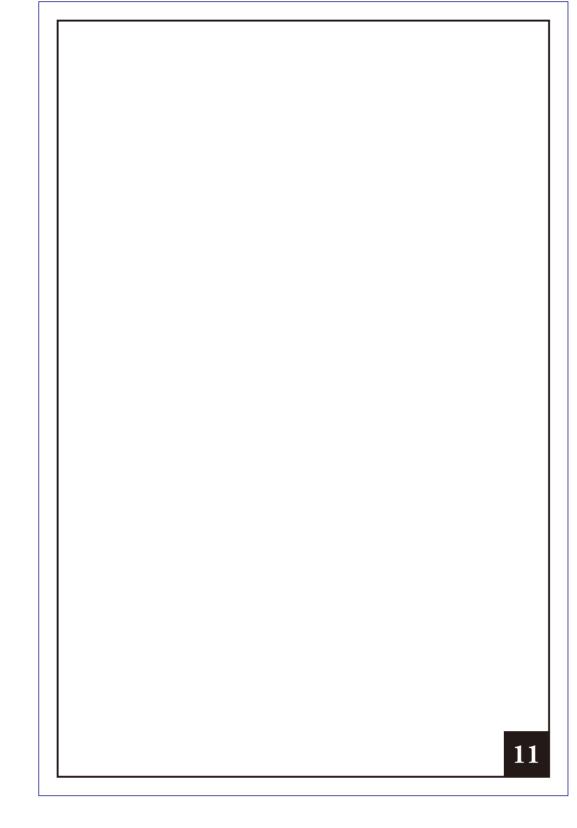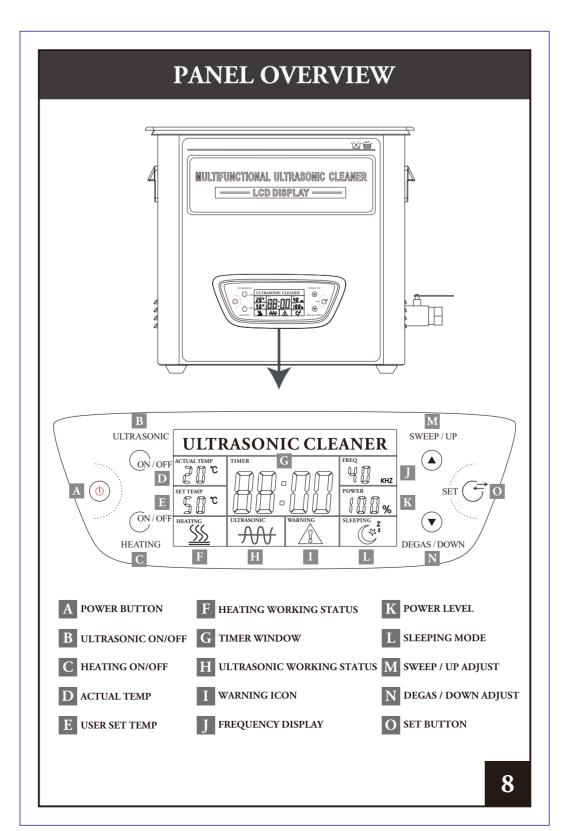
SETTING THE ULTRASONIC POWER

Press the SET button until the POWER icon is flashing, then use the adjustment buttons to select your desired power level. The power level is adjustable from 10% to 100% (Each button press will adjust the power level by 10% or you can hold for continuous)
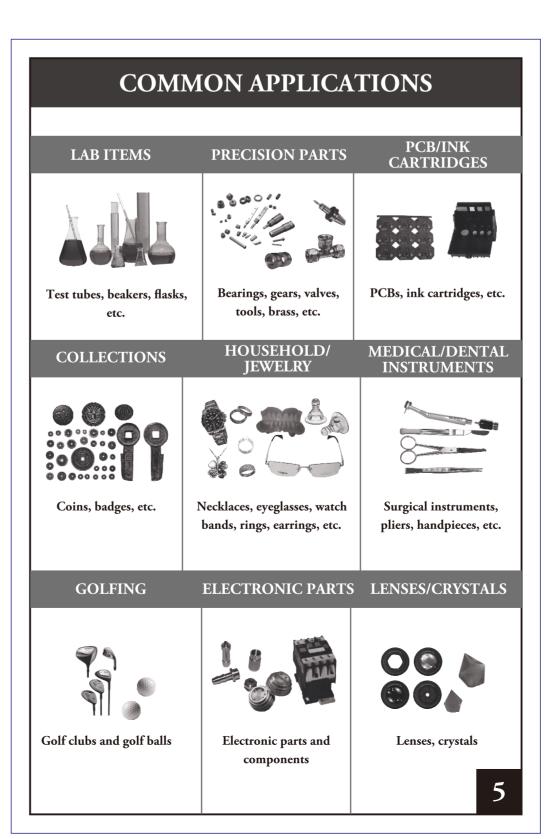
Press the button to switch on the ultrasonic function, the icon will light up. Press the button a second time will turn off the ultrasonic function and the light will go out.

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PANEL OVERVIEW

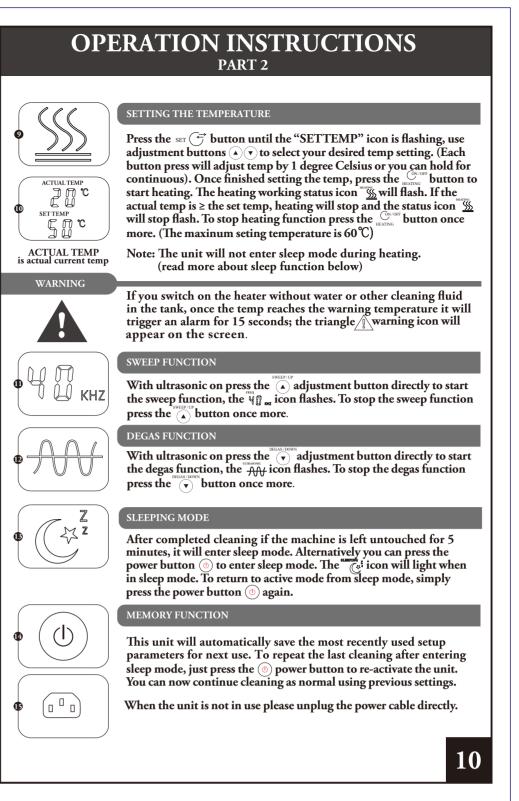
ULTRASONIC CLEANER

A POWER BUTTON
B ULTRASONIC ON/OFF
C HEATING ON/OFF
D ACTUAL TEMP
E USER SET TEMP
F HEATING WORKING STATUS
G TIMER WINDOW
H ULTRASONIC WORKING STATUS
I WARNING ICON
J FREQUENCY DISPLAY
K POWER LEVEL
L SLEEPING MODE
M SWEEP / UP ADJUST
N DEGAS / DOWN ADJUST
O SET BUTTON

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COMMON APPLICATIONS

LAB ITEMS	PRECISION PARTS	PCB/INK CARTRIDGES
Test tubes, beakers, flasks, etc.	Bearings, gears, valves, tools, brass, etc.	PCBs, ink cartridges, etc.

COLLECTIONS	HOUSEHOLD/ JEWELRY	MEDICAL/DENTAL INSTRUMENTS
Coins, badges, etc.	Necklaces, eyeglasses, watch bands, rings, earrings, etc.	Surgical instruments, pliers, handpieces, etc.

GOLFING	ELECTRONIC PARTS	LENSES/CRYSTALS
Golf clubs and golf balls	Electronic parts and components	Lenses, crystals

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SPECIFICATIONS

MODEL	CAPACITY -Max.	TANK SIZE	ULTRASONIC RATED POWER -Max.	HEATING RATED POWER -Max.	FREQ	TIMER SETTING
TUC-13	1.3L	150x135x65mm	70W	30W	40KHz	1-99Mins
TUC-20	2L	150x135x100mm	70W	60W	40KHz	1-99Mins
TUC-32	3.2L	240x135x100mm	120W	100W	40KHz	1-99Mins
TUC-48	4.8L	240x135x150mm	120W	100W	40KHz	1-99Mins
TUC-45	4.5L	300x150x100mm	180W	200W	40KHz	1-99Mins

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MODEL	CAPACITY -Max.	TANK SIZE	ULTRASONIC RATED POWER -Max.	HEATING RATED POWER -Max.	FREQ	TIMER SETTING
TUC-65	6.5L	300x150x150mm	180W	200W	40KHz	1-99Mins
TUC-70	7L	300x240x100mm	240W	500W	40KHz	1-99Mins
TUC-100	10L	300x240x150mm	240W	500W	40KHz	1-99Mins
TUC-150	15L	330x300x150mm	360W	500W	40KHz	1-99Mins
TUC-200	20 L	330x300x200mm	360W	500W	40KHz	1-99Mins
TUC-220	22 L	500x300x150mm	480W	500W	40KHz	1-99Mins
TUC-300	30 L	500x300x200mm	600W	500W	40KHz	1-99Mins
TUC-450	45 L	500x300x300mm	720W	1000W	40KHz	1-99Mins

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