

# EICKSONIC 3.2 / 6.5 ULTRASONIC CLEANER

USER MANUAL



Item no. 561032, 561065

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# 1. INTRODUCTION

- Thank you for purchasing the EickSonic Ultrasonic Cleaner.
- Please read these instructions before operating the device.
- Please keep the manual for reference.



### Caution!

- The equipment may only be operated with the voltage printed on the type plate on the back / bottom of the housing.
- In case of transportation damage, do not connect the equipment to the mains source.
- The activation key of system should be on the “ON / OFF” position.
- No flammable or aggressive chemicals (i.e. acids etc.) must be used for operation of the equipment.
- The equipment must only be operated with the correct level of water. This must be controlled if equipment is operated for a longer time.
- During operation do not touch the liquid.
- Please close the lid when operating the machine.
- Be aware of hot water and steam when opening the lid.
- The equipment must only be operated indoor and within a dry environment.
- Do not relocate the machine when the tank is filled.
- Before emptying the tank, the power connector must be disconnected from the main source.

**Cleaning results will be better if a suitable cleaning solution is added in ultrasonic cleaner.**

## 2. ULTRASONIC APPLICATION DESCRIPTION

- Our ultrasonic cleaners are made of high-quality stainless steel with a strong resistance against corrosion and a long lifespan. The transducers are attached using advanced bonding technology delivering high electroacoustic conversion efficiency and strong ultrasonic output. Furthermore, the units are equipped with an automatic heating device offering a temperature range from 20–80 °C.
- Ultrasonic cleaners are suitable for various industries and can clean objects such as precision electronic parts, eyeglasses & clock parts, optical glass parts, hardware, jewellery, semiconductor silicon wafer, ink cartridges, medical instruments and electroplate parts.

Industry	The cleaning products and materials	Clear dirt
Semi-conductor	Integrated circuit, power tube, silicon wafer, diode, lead frame, capillary, tray etc.	Hards, etching oil, polishing wax, dust particles etc.
Electrical & electronic machines	Tube parts, cathode ray tube, printed circuit board, quartz parts, electronic components, telephone switching equipment, speaker components, power meter, LCD glass, core iron parts, computer floppy disk, video parts, head, photo die mask etc.	Fingerprint, powder, cutting oil, stamping oil, iron filings, polishing materials, walnut powder, polishing wax, resin, dust etc.
Precision machines	Bearing, sewing machine parts, typewriter, textile, machine, optical mechanical device, gas valve, watches cameras, metal filter.	Machine cutting oil, iron filings, polishing powder, fingerprint, oil, grease, dirt etc.
Optical devices	Glasses, lens, prism, optical lens, filter lens, glass device, film, optical fiber etc.	Plastic resin, paraffin, fingerprinting etc.

Industry	The cleaning products and materials	Clear dirt
Hardware & machinery parts	Bearing, gear, ball, metal shaft parts, tools, adjustable valve and cylinder parts, burner, compressors, hydraulic press, gun and ultracentrifuge, city water faucet etc.	Cutting oil, iron filings, grease, polishing powder, fingerprinting etc.
Medical instruments	Medical instrument, denture etc.	Iron filings, polishing powder, oil, stamping oil, dirt etc.
Electroplate	Galvanized parts, mold, stamping parts etc.	Polishing scrap iron, oil, black iron shell, rust, oxidation shell, scrap iron, polishing powder, stamping oil, dirt etc.
Car parts	Piston ring, carburetor, flowmeter housing, compressor shell, electrical components etc.	Iron filings, polishing powder, oil stamping oil, dirt etc.
Chemical fiber	Chemical or artificial fiber nozzle filter protector chemical fiber texture etc.	Chemical colloid, glue, and other solid material, dust etc.

## 3. PRODUCT INTRODUCTION



1. Lid
2. Tank
3. Stainless steel body
4. Mains Cable
5. Stainless steel basket

## 4. PRODUCT SPECIFICATION

EickSonic 3.2	
Item no.	561032
Tub size	3.2 l
Max. filling capacity	2.8 l
Frequency	40 KHz
Ultrasonic Power	120 W
Heating Power	150 W
Tank Size (in mm)	L 240 x W 135 x H 100
Unit Size (in mm)	L 265 x W 165 x H 225
Temperature	20–80 °C
Timer	0–30 Min.

EickSonic 6.5	
Item no.	561065
Tub size	6.5 l
Max. filling capacity	5.8 l
Frequency	40 KHz
Ultrasonic Power	180 W
Heating Power	300 W
Tank Size (in mm)	L 300 x W 150 x H 150
Unit Size (in mm)	L 325 x W 175 x H 270
Temperature	20–80 °C
Timer	0–30 Min.

## 5. OPERATION STEPS



### Check the machine

Connect the machine to the mains and switch it on. Make sure the machine has power.



### Open the lid and fill the tank with tap water.

Operating the unit without water will damage the machine. Put the objects to be cleaned in the water and make sure they are fully immersed. Do not fill the unit over the MAX filling line.



### Setting the time

Rotate the time switch clockwise to choose the time required between 0–30 min. When the indicator light is on and you can hear the typical sound, the units works well.

**Please do not turn the time switch anti clockwise at any time.**



### Heater setting

Rotate the control knob to the required temperature to start the heating. A temperature between 40–60 °C is usually suggested. As long as the actual temperature is lower than the set temperature, the heating function and the indicator light is on. The indicator light will switch off once the required temperature has been reached.



### Finish work

Please do unplug the machine before emptying and cleaning the tank. Make sure no liquid is in the tank if it will not be used for a longer period.

## 6. MAINTENANCE

- Never open the unit. Only trained technicians will be allowed to do so for maintenance and care.
- Clean the contaminant in the tank frequently.

## 7. TROUBLESHOOTING

No.	Problems	Possible Causes	Solutions	Remarks
1	No ultrasonic power	Power supply not connected	Check and plug in power cord.	
		Fuse broken	Check the fitted power cable and change the same specification fuse.	
		Cable short circuit	Connect power cable or replace with a new one.	
		Transducer short circuit	Please contact your service engineer.	
		PCB Board broken	Please contact your service engineer.	
		Other reasons	Please contact your service engineer.	
2	Time control failure	Timer knob out of control	Loosen or tighten the screw.	
		Timer failure	Please contact your service engineer.	
		Other reasons	Please contact your service engineer.	

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No.	Problems	Possible Causes	Solutions	Remarks
3	No heating	Heater power switch loose.	Check heating switch and connect well.	Suggestion 50 – 60 °C
		Fuse burn out.	Change the same specification fuse.	
		Heating pad burn out.	Please contact your service engineer.	
		Other reasons	Please contact your service engineer.	
4	Temperature control failure	Thermostat loosen.	Please contact your service engineer.	
		Thermostat tube broken.	Please contact your service engineer.	
		Other reasons	Please contact your service engineer.	
5	Not cleaning well	Too high too low temperature.	Adjust temperature accordingly.	Suggestion 50 – 60 °C
		Too high too low water level.	Adjust water level to MAX filling line.	
		Not suitable cleaning liquid.	Switch off power and let it cool down. Replace the water.	
		Other reasons	Please contact your service engineer.	
6	Electric leakage	Machine not grounded.	Please contact your service engineer.	
		Other reasons	Please contact your service engineer.	



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