

for Complete removal of stubborn dirt & residue



Ultrasonic Cleaners

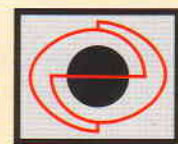
from

**ELECTROSONIC
INDUSTRIES** are

indigenously
manufactured to high
international specifications
and are backed by over thirty
years of experience & ready
acceptance by professionals from a
wide range of industries for their varied
needs.

Available in various standard capacities and also
custom made as per clients' requirements, they achieve upto 100% efficiency
& are dependable for all kinds of cleaning requirements. They are backed by
efficient technical support & prompt service in the rare case that it is required.

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WHAT IS ULTRASONIC CLEANING AND HOW DOES IT WORK

Ultrasonic Power at high frequency - normally 30KHz (also 23 KHz or 40KHz) is fed to piezo electric crystals. The electrical power is converted to mechanical vibrations by these piezo electric transducers (PZT). The transducers are bonded to the bottom (or on sides in some applications) of the SS tank containing cleaning solutions. The mechanical vibrations are transferred to the liquid through the tank surface. These intense vibrations create microscopic bubbles - known as cavities in the liquid. The process is known as cavitation. The cavities thus formed implode with high pressure forming brushing effect on the surface of the components to be cleaned. As a result the contamination is removed. These cavities being microscopic can reach inaccessible crevices, holes in the components where manual cleaning with brush is impossible. This is an added advantage of Ultrasonic apart from fast cleaning process in batches. The cleaning agent normally dissolves the contamination leaving only the sediment that is not dissolved. This further enhances the cleaning process. In many of the precision industries Ultrasonic Cleaning has become indispensable.



MINI COMPACT CLEANERS -

TABLE TOP MODELS (0.5 LITER TO 3.5 LITERS)

Specially suited for Jewellers, Ophthalmist, Dental Products, Optical parts and Watch parts.

APPLICATIONS

- GENERAL INDUSTRIES - Dies, Moulds and Other precision parts.
- ELECTRONICS - Semiconductor components, PCBs, Electronic assemblies etc.
- ELECTRICAL INDUSTRIES - Motors, Generators, Energy meters, Meter movements, Switches & Switchgears assemblies etc.
- WATCH AND JEWELLERY - Precious stones, Jewellery-Ornaments, Clock & Watch Parts., Watch Straps, Casings etc.
- OFFICE MACHINES - Calculators, Printers, Typewriter parts etc.
- AIRCRAFT / AUTOMOBILE - Bearings, Pumps, Filters, Engine parts etc.
- ELECTROPLATING - All parts before plating for better adherence, uniform application and excellent finish.
- OPTICAL INDUSTRIES - Spectacle frames, Lenses etc.
- HOSPITALS / SURGICAL - Surgical instruments, Ophthalmic, Dental & Gynec Implements, Dentures, Hypodermic Syringes etc. & in CSSDs
- SCIENTIFIC LABS - glassware, Implements & other intricate material.



CUSTOM DESIGNED UNITS -

TO SUIT INDIVIDUAL NEEDS

Specially designed units to suit customer needs with critical application, high intensity units for intricate parts. Addition of dunking, spraying to enhance the process as options.



MEDIUM CAPACITY CLEANERS -

(6 LITER TO 50 LITERS)

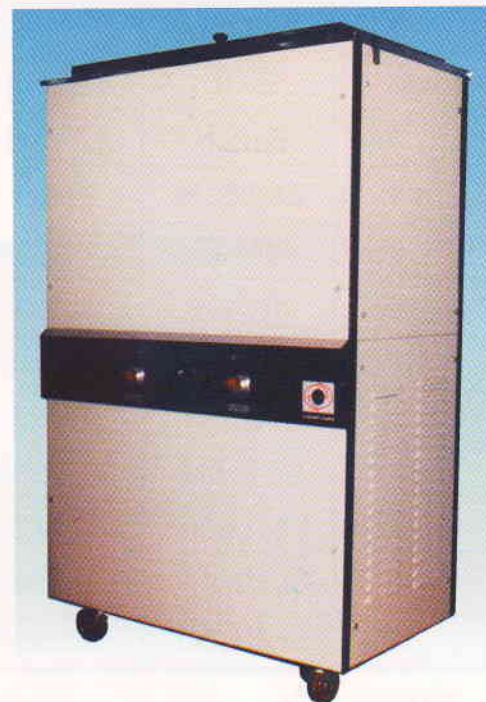
Designed for small and medium scale industries to handle components to suit their production rate in Electronic, Plating and Service Industries. Small Hospitals for surgical instruments and Laboratories.



LARGE CAPACITY CLEANERS -

(90 LITER TO 200 LITERS)

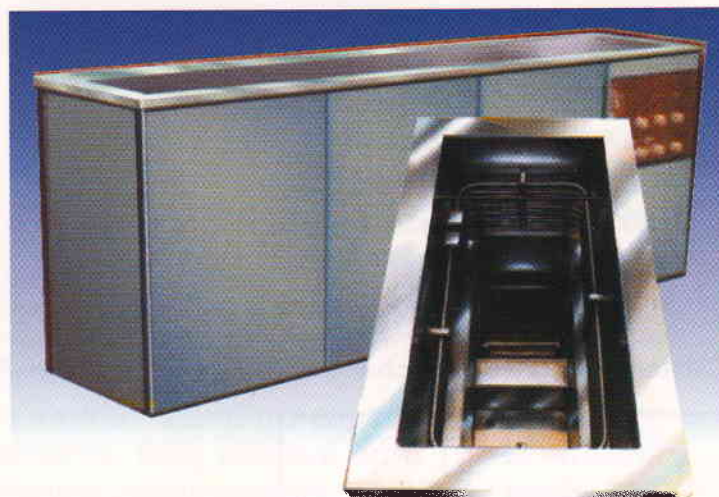
Specially suited for Large industries with high rate of production, bigger parts, compressor parts etc. And big hospitals where large number of instruments are handled in operation theatres.



IMMERSIBLE TRANSDUCERS -

WITH EQUAL EFFICIENCY

In different capacities for use with existing cleaning tanks with user and easy portability.



MULTISTAGE UNITS -

FOR SOLVENT CLEANING / AQUEOUS CLEANING

With soaking chamber - ultrasonic chamber - vapour chamber or soaking chambers - ultrasonic chamber - rinse chamber with added blow drier, or need based combination with spray chamber, filtration units etc.

ULTRASONIC CLEANERS - STANDARD MODELS

(SINGLE CHAMBER)

Sr.No.	Model	Tank Size (clear) in mm	Capacity in liters	Ultrasonic Power in Watts(AV)	Generator	Heater in KW
1.	EI-0.5L	150x85x65	0.5	40	Built-in	-
2.	EI-1L	150x140x65	1	45	Built-in	-
3.	EI-2LH	240x140x65	2(1.8)	50	Built-in	0.060
4.	EI-2.5LH	240x140x100	2.25	60	Built-in	0.040
5.	EI-5LH	240x140x150	3.5	100	Built-in	0.060
6.	EI-6LH	250x150x150	6	120	Separate	0.40
7.	EI-250H	300x200x175	10.5	250	Separate	0.60
8.	EI-500H	400x300x250	30	500	Separate	1.5
9.	EI-750H	500x350x300	52	750	Separate	3.0
10.	EI-1000H	600x400x375	90	1000	Separate	4.5
11.	EI-1500H	750x450x400	135	1500	Separate	6.0
12.	EI-2000H	900x500x400	180	2000	Separate	6.0

SALIENT FEATURES

1. Material of Construction : SS 304/316, 16/18 gauge (Cleaning Tank)
2. Thermostatic Temp.Control.
3. Powder coated MS cabinet with excellent finish.
4. Timer of 15 mins. in integral units. (Built-in)
5. Solid State Ultrasonic Generator.
6. Ultrasonic frequency : 30 +/-3 KHz.
7. Transducers : PZT type transducers using weldbond technology.

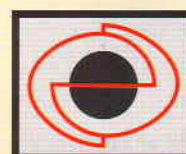
OPTIONAL FEATURES

1. Timer - Mechanical or Digital.
2. Digital Temp. Indicator Controller.
3. Tank cover of SS 304.
4. Integral Units for high wattage models with SS / MS cabinet.
5. Side mounted transducers for special applications.
6. Level switch.
7. SS Baskets.

Custom Designed Multichamber Units - Soak, Clean, Rinse, Drier etc. as per specifications.



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327, RAM GOPAL IND. ESTATE, DR. R. P. ROAD, MULUND (W), MUMBAI - 400 080

☎ : 022-67989744 ● TELEAX : 022-25606027

E-mail : sonicleaner@yahoo.com ● Website : www.sonicleaner.com