

Brand By Samarth Mektronics



SINCE 2009

10  
YEARS...

QUALITY & DESIGN  
MADE IN INDIA

## ULTRASONIC CLEANING TECHNOLOGY



### Ultrasonic Cleaning Machine

It has a remarkable cleaning performance that objects been cleaned are shiny

Samarth Mektronics has dedicated **more than 10 years** to the design and distribution of new ultrasonic **Medical & Industrial** cleaning equipment. We are committed to offering to our clients the best services and the latest science and technology advances in Medical & Industrial ultrasonic cleaning machines. We are currently one of the leading companies in the INDIA to development of **ultrasonic cleaning equipment**. Ultrasonic technology is a **clean and environmentally friendly technology** which has constantly paved the way into the market claiming a good position among its competitors. In fact, this new technology offers important advantages compared to more traditional methods.

- **MEDICAL ULTRASONIC CLEANING SYSTEMS**
- **INDUSTRIAL ULTRASONIC CLEANER**
- **ULTRASONIC PROBE SONICATOR**
- **VAPOUR DEGRESSER SYSTEM**
- **ULTRASONIC IMMERSIBLE TRANSDUCER**
- **ULTRASONIC TUBE RESONATOR**

# Medical Ultrasonic Cleaner



Model	SM 1001	SM 1002	SM 1003	SM 1004	SM 1005	SM 1006
Power	100 Watt	200 Watt	350 Watt	450 Watt	500 Watt	750 Watt
Capacity	3 liter	4.5 liter	10 liter	15 liter	27 liter	32 liter
Tank size MM(LxWxH)	240x130x100	300x150x100	300x240x150	330x275x175	450x300x200	500x320x200



Ultrasonic Cleaning at higher frequencies ( 20 KHZ to 100 KHZ ) creates an abundance minute vacuum bubbles with which allow for cleaning occur. These bubbles implode on and inside surgical device surface in a process defined as cavitation. This Micromechanical scrubbing action is able to reach small crevices, irregular surface, and internal passages to ensure proper and consistent cleaning

**Due to continues R&D to improve the products, size & other specification can change without any prior notice.**

# Industrial Ultrasonic Cleaner



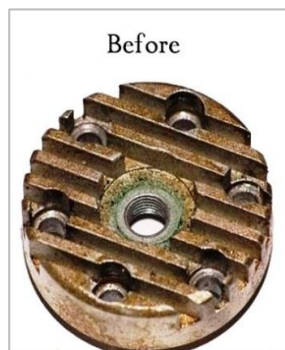
**Ultrasonic industrial cleaning equipment** to provide services to all our clients whether from the automotive, shipping or food industry. In fact, the difference between a **high-power industrial ultrasonic equipment** and a low-power ultrasonic equipment is that while the second is used mainly for cleaning jewellery and medical instruments, the first is based in energy transmitted by volumetric flow measurements. High-power ultrasounds (HPU) create submicroscopic vapour bubbles that through continuous expansion and contraction generate temperatures up to 5000 K and more than 2000 atmospheres pressure, capable to free the components from any impurities without its integrity.



## Cleaning industrial equipment :

**Our ultrasonic systems are capable to clean a large variety of industrial components.** Our industrial ultrasonic cleaners for sale are friendly environment, using the minimum amount of cleaning products and water, and saving costs. We can acquire our **ultrasonic industrial cleaning equipment** through one of our Indian distributors. Our technicians will provide you the best product adapted to your needs. In addition, the installation is quick and simple. You will not even need a large space for its assembly.

Best of all, our services do not end there. In fact, our maintenance service subscription includes regular inspections and resolution of any problem or issue. For any enquiry about this service, please do not hesitate to contact us.



# Ultrasonic Sonicator



The Ultrasonic processor is the perfect device for the sonication of small and Medium size lab samples. This compact , yet powerful, lab homogenizer is commonly used for sample preparation, such as emulsifying, dispersing, dissolving and cell disruption.

The device is commonly used for feasibility testing of ultrasonic applications. For this, a small sample volume put into a small vial and is being ex-posed to intense sonication for long time. Since ultrasonic power is put into the sample , the liquid heat up quickly, unless cooled by a water bath. As the heat can dissipate to the cooling bath, the sample can be sonicated for a longer time.

Frequency



## Ultrasonic Tube Resonator

Ultrasonic tube resonators deploy a high effect even in a small space. Installed in a cleaning tank, the tube resonators generate a homogenous 360° ultrasonic vibration field. Thanks to their robust design, they are also suitable for overpressure and vacuum environments. Various applications can be realized with various lengths and a P-version, which offers higher output. Tube resonators are durable, highly robust and low-maintenance.



## Immersible Transducer

Immersible Transducers make it easy to add ultrasonic efficiency to your process by using your own tanks, Transducer & Diaphragm Assembly is hermetically seal welded with a stainless steel back cover to create a water-tight, submersible ultrasonic system that can be placed in your existing tank.

# SPECIFICATIONS



MODEL	PRIMIUM	ADVANCE	ADVANCEPLUS
ULTRASONIC POWER	STANDERD	STANDERD	STANDERD
LITER CAPACITY	STANDERD	STANDERD	STANDERD
FREQUENCY	20 KHZ – 100 KHZ	20 KHZ – 100 KHZ	20 KHZ – 100 KHZ
TANK CONSTRUCTION	S.S 304 Material	S.S 304 Material	S.S 316 Material
FABRICATION	S.S 202 Material	S.S 304 Material	S.S 304 Material
TIMER	OPTIONAL	LED 0-99 MINUTE	LCD TOUCH 099 MINUTE
TEMP. CONTROLLER	OPTIONAL	DIGITAL	LCD TOUCH
ULTRASONIC GENERATOR	MOSPET BASE	MOSPET BASE	BASE MOSPET BASE
DEGASING	OPTIONAL	OPTIONAL	OPTIONAL
AUTOMATION	OPTIONAL	OPTIONAL	OPTIONAL
RAINSING	OPTIONAL	OPTIONAL	OPTIONAL
DRAYING	OPTIONAL	OPTIONAL	OPTIONAL
BASKET	STANDERD	STANDERD	STANDERD

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