



**SHARANG CORPORATION**

AN ISO 9001:2015 CERTIFIED COMPANY



# ULTRASONIC CLEANERS

| AUTOMOBILE  
| MEDICAL / PHARMA  
| MECHANICAL

| ELECTRONIC  
| TEXTILE  
| DEFENSE

## Why Ultrasonic Cleaning ... ?

Ultrasonic cleaning is a process that uses ultrasound to agitate in a fluid/solvent. Ultrasonic cleaners are used in many different industries like electronic, mechanical, pharma, medical, automobile, jewellery, hotel & food industry etc.

Ultrasonic cleaning uses cavitations bubbles induced by high frequency pressure (sound) waves to agitate a liquid. The agitation produces high forces on contaminants adhering to substrates like metals, plastics, glass, rubber, and ceramics. Contaminants can include dust, dirt, oil, pigments, rust, grease, algae, fungus, bacteria, lime scale, polishing compounds, flux agents, fingerprints, soft wax and mould release agents.

## Things to be considered while ultrasonic cleaning?

- 1) Basic Metallurgy material?
- 2) What contamination is to be removed from surface?
- 3) Present cleaning procedure?
- 4) Whether you need rinsing or drying after cleaning?
- 5) Acceptable Chemical for your product?
- 6) Dimensions & weight of component?
- 7) Quantity to be cleaned in per batch/shift?
- 8) Any Special comment regarding your product and procedure?

## Tabletop Ultrasonic Cleaner



MODEL	CAPACITY	TANK SIZE	ULTRASONIC POWER
M1	1 Ltr	150 x 135 x 65mm	50 W
M 1.5	1.5 Ltrs	240 x 135 x 65mm	50 W
M 2	2 Ltrs	240 x 135 x 100mm	50 W
M 3	3 Ltrs	300 x 150 x 100mm	100 W
M 5	5 Ltrs	235 x 235 x 100mm	100 W
SM 50 US	5	8" x 8"x 5"	100 W
SM 65 US	6.5	12" x 6" x 6"	150 W
SM 100 US	10	12" x 9"x 6"	250 W
SM 140(L) US	14 (L)	21" x 7"x 6"	300 W
SM 200 US	20	14" x 12" x 8"	400 W
SM 200(L) US	20(L)	24" x 9"x 6"	400 W
SM 250 US	25	16" x 16" x 6"	500 W
SM 300 US	30	15" x 15" x 8"	500 W
SM 500 US	50	22" x 12" x 12"	750 W

**Special Size / Wattage / Frequency Available**

Specifications & Design Subject to change without notice

## Multistage Cleaning System



- Pre Cleaning Chamber :** Maximum contamination is removed from the surface with the help of Jet spaying or Air agitation.
- U/S Cleaning Chamber :** Precision cleaning is accomplished in this chamber with the help of U/S power, proper chemistry and temperature. Maximum cleaning is done from the surface.
- Rinsing Chamber :** The suspended contamination after Ultrasonic cleaning are cleaned in this chamber with the help of Air agitation of Jet spraying.
- Drying Chamber :** The forced hot air drying chamber utilizes evaporation, one of the most common drying technique's to remove water. Room air is heated to a 80<sup>o</sup>c which enables in to absorb moisture from the part.

**Note :** The process for multistage cleaning are designed to suit customers job / applications and requirements.

**Special Size / Wattage / Frequency Available**

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## Ultrasonic Immersible Transducers



Immersible transducers are placed whenever you need in your existing tanks. These units gives you complete freedom to design specialized cleaning setup. (Upgrade pre soak tank with Ultrasonic Immersible transducers)

Each immersible transducers are fabricated from 304/316 stainless steel with welded seams & stainless steel fitting hermitically sealed modular components are available in this standard sizes.

Other sizes can be custom built for special application for more space saving. Flat transducers plates can be built into the tank bottom or side walls.

**Special Size / Wattage / Frequency Available**

Specifications & Design Subject to change without notice

## Stencil cleaner



### Specifications :

GENERAL :		
1	MODEL NUMBER	SM-290-ST
2	FUNCTION	ADHESIVE & SOLDER PASTE CLEANING
3	MACHINE TYPE	AUTOMATIC
4	STORAGE CAPACITY	85 LTRS
5	STENCIL SIZE	740 mm X 740mm
6	MACHINE DIMENSION	1120 X 1400 X 1700 mm
7	TANK MOC	SS
8	INPUT SUPPLY	415 VAC, THREE PHASE, 50Hz
9	CONTROL TYPE	USER FRIENDLY TOUCH SCREEN PLC CONTROLS ALL PARAMETERS
10	CYCLE TIME	0-99 MIN (SETTABLE)
OTHERS :		
11	PUMP	1.5 HP FLOW- 2m3/hr @ 6m3/hr HEAD – 5.2 Bar @ 2.3 Bar

## Hot Air Oven

### Applications :

- Laboratory Hot Air Oven
- Industrial Hot Air Oven
- Sterilizing
- Drying
- Baking



**Special Size / Wattage / Frequency Available**

Specifications & Design Subject to change without notice



## Projects



Specifications & Design Subject to change without notice

## OUR VALUED CUSTOMERS

 <b>BOSCH</b> Invented for life	 <b>Emulsion</b> Enriching Lives	 <b>BAJAJ</b>	 <b>Huf</b>	 <b>H.K. EYE INSTITUTE</b>		 <b>YAZAKI</b>	 <b>SEAH</b>	 <b>KANSAI NEROLAC</b> PAINTS LIMITED
<b>PHARMA</b>	 <b>Cipla</b>	 <b>ALKEM</b>	 <b>FDC</b>	 <b>LUPIN</b> Pharmaceuticals Ltd.	 <b>ipca</b> Pharmaceuticals	 <b>HETERO</b>	 <b>CADILA</b> Pharmaceuticals	 <b>SUN PHARMA</b>
 <b>Mylan</b>	 <b>Watson</b>	 <b>graviti</b> pharma	<b>INDUSTRY</b>	 <b>SIEMENS</b>	 <b>Supreme</b> Engineering Solutions	 <b>TVS</b>	 <b>streparava group</b>	
 <b>Mahindra Hinoday</b>	 <b>Honeywell</b>	 <b>Turbo Technologies</b>	 <b>BRÜCKNER</b> SERVTEC	 <b>INDOASIAN</b>	 <b>BHAT METALS</b>	 <b>ESSAR</b>	 <b>Raychem RPG</b> Engineering Solutions	
 <b>ANCHOR</b> - Resources	 <b>Aarti Industries Ltd</b>	<b>INDIAN GOVT.</b>	 <b>NIPHA</b>					
<b>HOSPITAL</b>	 <b>Sathya Sai General Hospital</b>	 <b>SIMS</b> Sri International Medical Services	 <b>Sion Hospital</b>	 <b>Breach Candy Hospital Trust</b>			 <b>Orange City Hospital &amp; Research Institute</b>	 <b>sancheti</b> Movement to Life, Life to Movement
							 <b>Dr.Reddy's</b>	



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