



**MTEKSONIC**

**TECHNOLOGY  
FOR INDUSTRIAL  
CLEANING**

**ULTRASONIC  
INDUSTRIAL  
CLEANING  
SYSTEMS**

# BONDED INDIVIDUAL & IMMERSIBLE TRANSDUCER



There are two basic ways to introduce ultrasonic energy into a cleaning tank. The first is to bond individual ultrasonic transducer elements directly to the exterior of a stainless steel tank. The second is by using submerged, liquid tight housings containing a number of transducer elements bonded internally and directed through the wall of the housing into the surrounding cleaning liquid.



## MULTI STAGE ULTRASONIC CLEANING SYSTEMS

### High Power Transducers :

The transducers are built with high-quality phosphorous-copper/brass to minimize the accumulation of heat, to extend the life of the transducers and piezoelectric crystals and to reach the best performance levels.

### Oil Separation System:

After dirt and grease are extracted from the parts, they must be removed from the main tank. Our Oil / Grease Separation System (LFSS) takes floating grease to an auxiliary tank where it can be easily removed.

### Material Assurance :

All our machines are completely built in stainless steel. Our thorough quality control systems ensure the non-existence of leaks in wildings or mechanical unions.



## GENERAL TECHNICAL SPECIFICATIONS

<b>FREQUENCY</b>	20 KHZ TO 120 KHZ 3% ±
<b>TANK CONSTRUCTION</b>	S.S 304, 316, OR 316 L MATERIAL
<b>FABRICATION OUTER COVER</b>	S.S 304 MATERIAL OR M.S POWDER COATED
<b>DIGITAL TIMER</b>	0 TO 99 MINUTE
<b>TEMP. CONTROLLER</b>	DIGITAL WITH SENSOR
<b>ULTRASONIC GENERATOR</b>	IGBT/MOSPET BASE WITH OVER HEAT PROTECTION
<b>AUTO LOADING &amp; UNLOADING BY ELEVATOR</b>	OPTIONAL - WILL BE CHARGE EXTRA
<b>AUTO TANK FILLING &amp; DRAIN</b>	OPTIONAL - WILL BE CHARGE EXTRA
<b>RAISING OR AIR AGITATION</b>	OPTIONAL - WILL BE CHARGE EXTRA
<b>BLOWER HEATING</b>	OPTIONAL - WILL BE CHARGE EXTRA
<b>OIL &amp; GREASE SEPARATION SYSTEM</b>	OPTIONAL - WILL BE CHARGE EXTRA
<b>FULLY AUTOMATION CYCLE</b>	OPTIONAL - WILL BE CHARGE EXTRA
<b>MULTISTAGE MACHINE USE PLATE TRANSDUCER TECHNOLOGY</b>	OPTIONAL - WILL BE CHARGE EXTRA
<b>COMPLIANCE STATUS</b>	MANUFACTURING ACCORDING ISO 13485:2016 FOR MEDICAL DEVICES
<b>COMPLIANCE STATUS</b>	CE : 93/42/EEC: FOR MEDICAL DEVICES / APPLICATIONS

## TECHNICAL SPECIFICATIONS OF INDUSTRIAL CLEANING SYSTEMS

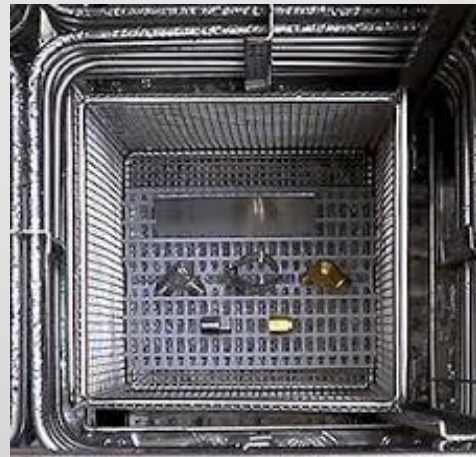
MODEL	MTEK 1001	MTEK 1002	MTEK 1003	MTEK 1004	MTEK 1005
ULTRASONIC POWER	1000 Watt	2000 Watt	3000 Watt	4000 Watt	5000 Watt
LIQUID CAPACITY	100 liter	200 liter	300 liter	400 liter	500 liter
WORKING TANK DIMENSION MM(LxWxH)	600x400x460	800x500x500	900x650x645	1120x650x705	1370x800x705
HEATING POWER	4 KW	6 KW	6 KW	6 KW	8 KW
ELEVATOR MAX. LOAD	40 KG	65 KG	240 KG	340 KG	475 KG
EXTERNAL DIMENSIONS	1070X720X1360	1270X825X1440	1450X1050X1820	1760X1060X2000	2000X1260X2055

**Industrial Cleaning Applications Tank fabricate as per Customer Requirements**



A vapor degreaser uses boiling solvent, rather than water, for fast precision cleaning and removal of true oils from parts. Vapor degreasing machines apply the principles of distillation and condensation to achieve high-quality cleaning and quick drying.

Vapor degreasers have been around for a long time, but that doesn't mean they are all created equal. Best Technology offers the highest quality vapor degreasing equipment for sale in the industry. The significant advancements in cleaning solvent fluids have brought increased solvent costs; therefore, vapor degreaser solvent recapture and vapor degreasing distillation have never been more important. Ensuring the proper boiling heat capacity balanced with chilling capacity and freeboard is a must for today's vapor degreasers. We are experienced in proper vapor degreaser equipment sizing and the latest chemistries used in them.



in some vapor degreasing machines, the parts may also be immersed into the solvent with Ultrasonics in the rinse sump to "micro scrub" the particulates off into the solvent. A vapor degreaser with this option is known as an ultrasonic vapor degreaser.

Our vapor degreasers come in a variety of configurations depending on customer application. We can size a vapor degreasing system to fit not only your parts, but also your cycle time and production requirements. With today's solvents it is essential to size the vapor degreaser properly to ensure maximum solvent recapture through distillation cycle chilling coils.

## Industry Applications for Vapor Degreaser

- Precision cleaning medical device parts where it's critical that no chemical residue is left on parts
- Manufacturing processes requiring precision cleaning of true oils and particulates and quick drying
- Semiconductor printed circuit board cleaning and flux removal
- Aerospace parts cleaning for components required to conform to specifications.
- Minimizing loss of vapor degreasing solvents



# INDUSTRIAL CLEANING APPLICATIONS

**MTEKSONIC**

AUTOMOTIVE

ELECTROPLATING

**METAL PROCESSING**

**AUTOMOBILE INDUSTRIES**

**ELECTROPLATING PROCESS**

**DEFENCE MANUFACTURING**

**AVIATION INDUSTRIES**

**SPACE MANUFACTURING**

**AUTOMATIVE & ENGINES**

**SHIP MAINTENANCE**

**GRAPHIC INDUSTRY**

**MOULD MAINTENANCE**

**FOOD INDUSTRY**

**RAILWAY MAINTENANCE**

**SURFACE TREATMENT**



**MTEKSONIC**

Classic Sterling , B/001, Plot No. 84, Sector -08  
New Panvel (E), Navi Mumbai-410206,  
Contact : 8779681396, 8850571344, 9594545503.  
Email : mteksonic@gmail.com  
Website : www.mteksonic.com

