

# MICRON ADVANCE TECHNOLOGY PLT.

No.10, Persiaran Mahsuri 1/2, Sunway Tunas, 11900 Bayan Lepas. Penang. Malaysia

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## ULTRASONIC CLEANER ( DESKTOP )



Desktop – Ultrasonic Cleaners

Ultrasonic cleaners function by producing sound waves that are transmitted into the tank and cleaning solution. These waves create millions of microscopic bubbles, which collapse or 'implode', releasing large amounts of energy, which scrub the surface clean. This process is called 'Cavitation'.

Digital Display c/w Degas Function / Power Adjustable / Mechanical Controlled / Dual Power Modes

### Ultrasonic Cleaning Equipment Manufacturer

Our products are durable, industrial-grade precision cleaning equipment. We are committed to exceptional precision industrial ultrasonic cleaning. We focus to drive efficiency and innovation, yielding high quality, reliable state of the art performance -- bringing speed, agility and flexibility to every project.

### Custom Tanks Designed Just For You :

If none of our standard desktop or industrial ultrasonic cleaning systems meet your exact cleaning process needs, **we can build or customize ultrasonic cleaning tanks to suit your requirements or specifications.** We understand your changing cleaning needs, and can adjust our standard designs and improvise to meet and improve your unique process quality needs.



Desktop – Ultrasonic Cleaners (27L)

### Others Function / Specification:-

- Digital Timer Range : 0 – 60 min
- Digital Heating Range : 0 -80°C / 32 - 176°F
- Frequency : 20 (Low) ~ 40 (High) kHz (adjustable)
- Power Supply : 220~240v AC
- Internal Tank Material : SUS304 stainless steel
- Included Cover & Basket
- Internal Tank Liquid / Water Level Marked
- Digital LCD Display with Multi-function control

### Features :

1. Welded cleaning tank made of 1.5mm SUS304 tank.
2. Drip-Proof housing made of SUS304, Acid-proof & Anti-corrosive.
3. Industrial grade transducers & generator, applicable for 8hrs continuous use.
4. Heavy-Duty, Multi-Directional castor wheels c/w brakes.
5. Variable Power Source, ranging from 1 to 100%.
6. Heating applicable continuously during cleaning process.
7. Inclusive SUS304 basket & take-off lid.
8. Insulated housing used to reduce sound transmission.

### Integrated - Ultrasonic Cleaner



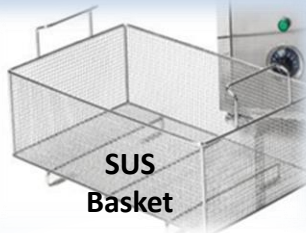
# MICRON ADVANCE TECHNOLOGY PLT.

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## ULTRASONIC CLEANER ( INDUSTRIAL )

Industrial ultrasonic cleaners come in several different types with various configurations and characteristics that are determined by the cleaning application. The size of the cleaning system, its power, its frequency and its controls all influence the system's cleaning capabilities. Selecting the right type of **industrial ultrasonic cleaner** is critical to obtaining the best cleaning performance possible.



Large industrial systems are characterized by tanks that can accommodate long or bulky products. The **ultrasonic generators** are mounted separately and several transducers may be required to fill the tank with ultrasonic sound waves. The design of these systems is critical to ensure that ultrasonic cleaning takes place evenly throughout the tank.

### Features :

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3. Industrial grade transducers & generator, applicable for 8hrs continuous use.
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## ULTRASONIC CLEANER ( CUSTOMISED )



Agitator System  
( Up/Down )

Agitation systems gently moves parts (up & down) through the nodes of increased energy that naturally forms within the ultrasonic bath. The consistent agitation of the parts enable the ultrasonic cavitation to reach blind holes and cavities. The agitation process also works to loosen debris and separate parts that may nest or sticking together. When integrated with our automatic ultrasonic washer, the agitation process also works to speed rinsing and drying. Operator involvement is minimized and parts processing efficiency is increased.



Submersible  
System

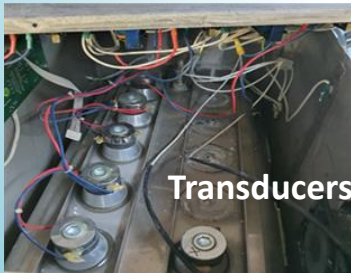
Immersible ultrasonic transducers are sealed stainless-steel enclosures for adding ultrasonic cleaning capability to tanks and equipment for parts cleaning. Immersible ultrasonic transducers for cleaning can be added to either new or existing equipment. The ultrasonic transducer uses ultrasonic frequencies to cavitate the solution molecules in the tank and produce uniform precision parts cleaning of the part surface.



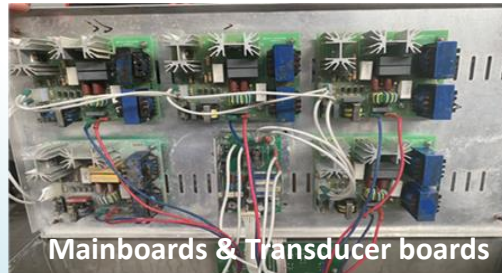
Cleaner c/w  
Drying Function

Hot Air Dryers reduces drying time without risking valuable parts. Once items emerge from an ultrasonic unit, they still must be dried quickly to maintain their pristine state. Faster drying means better results with less work. Rapid-drying process dramatically reduces overall drying time and prevents the accumulation of moisture, as well as the resulting spotting and corrosion. It also eliminates time-consuming hand drying, freeing up staff to work in other areas and increasing productivity.

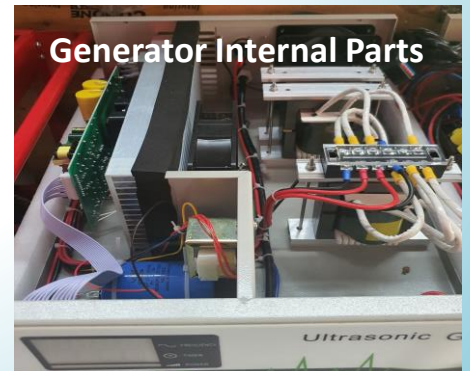
## SERVICING & REPAIRING WORKS



Transducers



Mainboards & Transducer boards



Generator Internal Parts



Desktop – Servicing & Repairing works



Ultrasonic  
Cavitation Meter