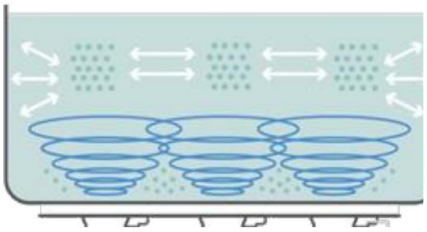
Ultrasonic Cleaning Machines

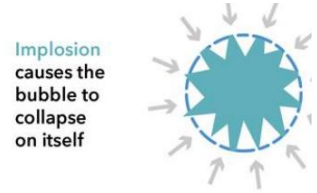
MTA-DP SERIES

HOW ULTRASONIC CLEANING WORKS

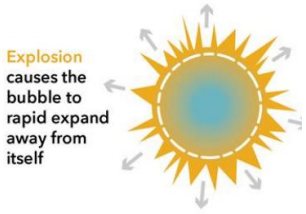
Multitech ultrasonic systems consist of generators and transducers. The generators produce high-frequency electrical signals, which transducers convert into vibrations that agitate the cleaning solution. In tank-mounted systems, transducers are fixed to the base — since ultrasonic waves travel upward from the bottom of the tank, cavitation is strongest for instruments placed in the lower tray. As these waves pass through the solution, they create alternating high and low-pressure cycles. During the low-pressure cycle, microscopic bubbles form; during the high-pressure cycle, these bubbles rapidly collapse — a process known as **cavitation**. The implosion of these bubbles across an instrument's surface acts like millions of microscopic scrubbers, lifting contaminants the eye can't see and hands can't reach.



SONIC ACTIVITY WITH TRANSDUCER ARRAY



IMPLOSION — bubble collapses on itself



EXPLOSION — bubble expands rapidly away

MTA-DP SERIES — PRODUCT RANGE



MTA-DP SERIES 50L
Front-Load Tank Configuration



MTA-DP SERIES 50L
Compact Bench-Top Configuration

Nashik: 1, Margaret Towers, Sharanpur Road, Nashik-422002
Pune: Nachiket Apartments, Kothrud, Pune-411051
Mail: multitech.e2007@gmail.com
Mo: 9881475567 | 01

MULTITECH ENGINEERS

Applications & Specifications

MTA-DP SERIES

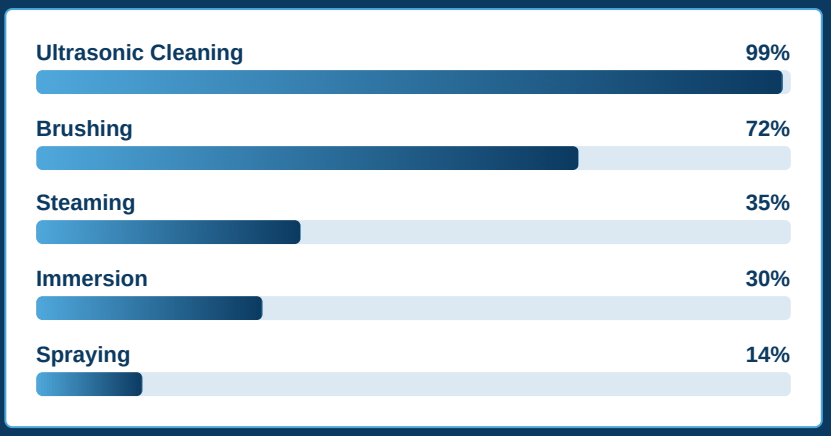
APPLICATIONS

- Medical & dental equipment cleaning
- Jewellery cleaning
- Automotive & aerospace components
- Electronic PCB, contactors & components
- General manufacturing cleaning
- Optical industry components
- Watch-making components
- Printing industry nozzles & cartridges

KEY FEATURES

- ✓ Compact and lightweight design
- ✓ Rugged and reliable build
- ✓ Micro controller-based digital timer
- ✓ MOSFET-based generator technology
- ✓ Automatic frequency tuning
- ✓ Modular generator for easy servicing
- ✓ Durable stainless steel housing
- ✓ Protected electronic circuits
- ✓ Frequency: 40 & 33 ± 3 kHz
- ✓ Input voltage: 170–270 AC, 50 Hz

CLEANING EFFICACY COMPARISON



Ultrasonic cleaning consistently outperforms manual and immersion-based methods across all tested categories.

PRODUCT SPECIFICATIONS

Model	Capacity	Ultrasonic Power (W)	Heater Power (W)	Freq. (kHz)	Timer (min)	Temp. Ctrl (°C)
MTA-DP-2L	2 Litres	100	150	40 ± 3	1–99	65
MTA-DP-3L	3 Litres	100	150	40 ± 3	1–99	65
MTA-DP-5L	5 Litres	150	300	40 ± 3	1–99	65
MTA-DP-10L	10 Litres	250	300	40 ± 3	1–99	65
MTA-DP-20L	20 Litres	500	300	40 ± 3	1–99	65
MTA-DP-30L	30 Litres	500	600	40 ± 3	1–99	65
MTA-DP-50L	50 Litres	750	1200	33 ± 3	1–99	65

Need dependable ultrasonic cleaning for critical components?

Talk to us for model selection, capacity sizing, and a site demo.

CALL 9881475567

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