



# INCREDIBLE DEVICES

*Safe & Affordable Healthcare for All*



## Megasonic Washer

*One Solution, Infinite Possibilities*

[contactus@incredibledevices.in](mailto:contactus@incredibledevices.in)

+91 8556 077 940

[www.incredibedevices.in](http://www.incredibedevices.in)

NOIDA | Chandigarh | Faridabad



# Megasonic : Your affordable Partner in Infection Control

The Megasonic Washer is a fully automated, computer-controlled 5<sup>th</sup> Gen Megasonic cleaner and washer that combines the benefits of an ultrasonic cleaner and a washer-disinfector to clean medical instruments safely without causing damage. Its unique design ensures thorough cleaning of both the outer surfaces and the internal lumens of instruments, utilizing different frequencies tailored to the instrument type, material and application.



## DIVERSE RANGE

Megasonic is a cutting-edge, intelligent cleaning system engineered to adapt effortlessly to a wide variety of instruments including scopes, robotics & microsurgery.



## AI ANTI-PITTING MECHANISM

Equipped with smart tuning, it ensures safe, scratch-free cleaning for scopes, robotics, delicate micro instruments, plastics, and glassware.

## Two-in-One Machine

This dual-purpose machine serves as both a triple frequency Megasonic cleaner and a washer, offering versatile cleaning options for instruments in one unit.



## ADAPTIVE CLEANING MODES

Low-frequency, high-power mode ensures deep cleaning for hard steel instruments, while mid-frequency, medium-power mode offers gentle yet effective cleaning for glass and delicate materials.



## CUSTOM CLEANING MODES

Tailored settings designed to protect precision tools and greatly extend the lifespan of blades and other key components.

# Megasonic Cleaning: Advanced Innovations Redefining Instrument Care Standards



**Tri-Sonic Action:** The Megasonic Washer uses three optimized frequencies (40 kHz, 80 kHz, 120 kHz) for safe and thorough cleaning of blind spots, crevices, and hidden spaces.

**Lumen Cleaning Mechanism:** Combines high-pressure water jets and ultrasonic waves to precisely clean external surfaces and internal lumens of complex hollow instruments.



**Movable sprinkler arms** ensure uniform and thorough cleaning by eliminating dead spots during the washing process.



**Automated Disinfection:** The Megasonic washer features automatic disinfection that users can schedule, initiating a disinfection cycle at the designated time.

**Maximizing Instrument Longevity:** The Megazyme solution, combined with Megasonic's triple-frequency action, effectively protects delicate micro-instruments from pitting and corrosion. This advanced cleaning approach minimizes mechanical stress and chemical wear, significantly extending instrument lifespan and ensuring consistent, reliable performance over time.

**Dual-Action Rinsing:** Provides even rinsing through top lid sprinklers, base sprinklers, and channel flushing, efficiently removing residues.



**ETS (Emptying Total System)** The Megasonic Washer automatically drains water at the end of each cycle, preventing microbial contamination and ensuring compliance with EN ISO 15883-1 standards.

**Advanced Inbuilt Recording System** ensures full traceability of each cleaning process.

**Air Drying:** After rinsing, the instruments in the Megasonic Cleaner are drip-dried, removing excess water and preparing them for further processing or use.



**EDVP (Enzyme Dilution Variation Program):** The EDVP system automates enzyme solution preparation by calculating the optimal dilution based on contamination levels and the enzyme bottle's opening date, delivering peak cleaning performance.

**Optimized Water & Chemical Usage:** The washer adjusts the water fill level based on the instrument load significantly reducing water & chemical usage. This lowers costs & supports sustainability by conserving resources.

## Megasonic Washer Technical Specifications

Capacity	100 Litre
Megasonic Dimensions (L x W x H)	850mm x 625mm x 880mm (without wheel)
Tank Dimensions (L x W x H)	750mm x 400mm x 378mm
Basket Dimensions (L x W x H)	710mm x 360mm x 130mm
Machine Body Material	SS 304L
Wash Tank Material and Sheet Thickness	SS 316L and Thickness: 2mm
Instrument Basket	Qty.: 02, with sprinklers and Channel flushing
Instrument Basket Material	SS 316L
Top Lid	Glass Lid with inbuilt two Sprinklers
Tank Fill	Auto Fill
Chemical Fill	Auto fill & Auto dilution
Drain	Auto Drain
Dry	Auto Air Drip Dry
Wheel	4 (2-Lockable, 2-Free)
Weight	100 Kg
Printer	Yes

## Electrical Specifications

Power Supply	220 V/50 Hz, Single Phase
Electrical shock Safety	Automatic Earth failure, Pump Failure & Short detection
Heating Element	Optional

## Ultrasonic Specifications

Ultrasonic Peak Power	2400 Watt
Ultrasonic Average Power	1200 Watt
Number of Transducers	20
Wattage of each transducer	60 Watts
Frequency of Ultrasonic Cleaner	Triple Frequency 40, 80 & 120 KHz
Ultrasonic Generator Type	Digital with Sweep Feature
Disinfection	Automatic Disinfection with scheduler