

# Sonicator (Ultrasonic Bath) 3001 Series



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

**Analytical Technologies Limited**

An ISO 9001 Certified Company

[www.analyticalgroup.net](http://www.analyticalgroup.net)

## ►► Principle of Ultrasonic Cleaning:

Ultrasonic (Ultrasound) is the sound which human beings cannot hear. Ultrasonics utilises frequencies from and above 18 KHz (18,000 cycles per second).

High frequency electrical energy is converted into ultrasound waves by means of ultrasonic Transducers, which are bonded on the base of S.S cleaning Tank. These high frequency sound waves create in the liquid countless, Microscopic Vacuum Bubbles, which rapidly expand and collapse. This phenomenon is CAVITATION. These bubbles act like miniature high speed brushes, driving the liquid in to all openings and minute recesses of the object immersed in the liquid. Intense scrubbing of Cavitation cleans away all the dirt and soil from the object immersed and the object is perfectly cleaned. Intricate objects can be cleaned with complete or little Dismantling.

## ►► Applications:

Laboratory	For Glassware, Filters, cleaning & HPLC Mobile, Phase Degassing
Industrial	Printed Circuit Board, Semi-Conductors, Electronic Components, Precious Parts & Mechanisms.
Medical	Dental & Surgical Instruments.
Opticals	Spectacles, Spectacle Frames, Lenses,
Jewellery	For all kinds of Jewellery, Precious Stones etc.
To Remove	Dust, Oils, Greases, Polishing Compounds, Waxes, Swarf, Stains, Soils, and any other Contaminants.

## ►► Salient Features:

- Touch screen controlled.
- Indigenously manufactured with advanced Technology, with auto-tuning facility.
- Digital tuning of transducers with Generators to avoid any frequency shifted even during demanding applications.
- Compact, rugged and highly durable systems.
- Extensively protected electronic circuits means longer and Safer Operations.
- Run multiple program in sequence
- Overload protection
- Adjustable pulse mode.
- Amplitude controlled from 1- 100%
- Programmability, 10 memories plus sequencing

## ►► Technical Specification:

- Operating Frequency 33+3KHz, for all general purpose cleaning is highly recommended.
- Input Voltage range of 170V AC - 270V AC, 50 Hz, 1 Ph, 700W.
- Micro Controller based timer range 0 to 30/99 minutes

## ►► HPLC Servicing, Validation, Trainings and Preventive Maintenance :

- HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.
- Trainings :We also take up preventive maintenance to reduce downtime of HPLC's Trainings.
- AMC's/CMC : We offer user training both in-House and at customer sites on PLC principles, operations, troubleshooting.
- Validations : We have protocols for carrying out periodic Validations as per GLP/ GMP/U SFDA norms.
- Instruments : We offer instruments/Renting Services Modules like pumps, detector etc. on Rent.



## ►► About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the globe. Analytical Technologies Limited is an ISO :9001 Certified Company engaged in Designing, Manufaturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## ►► Our Products & Technologies



## ►► Regulatory compliances



## ►► Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



# Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [info@analyticalfoundation.org](mailto:info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## ►► Reach us @



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