



ULTRAUTOSONIC are Manufacturers, Suppliers, and Exporters of High-Volume Probe Sonicator. We designed the High-Volume Probe Sonicator according to applications like Cell Disruption, the Chemical Industry, the Agriculture Industry, the Cosmetic Industry, the Distillery, Emulsification, Extraction, Oil, Food & Beverages, Paint & Coating Industry, and the Pharmacy Industry.

A high-volume probe sonicator is an advanced piece of laboratory equipment used for the efficient and uniform disruption of cells, emulsification, homogenization, and dispersion of materials in a liquid. These devices leverage the power of ultrasonic waves to achieve high-intensity mixing and processing in various industrial, research, and medical applications.

SPECIFICATION

Frequency (Khz)	20
Power (Watt)	1000/1200/1500/1800
Probe / Sonotrode (mm)	φ28, φ32, φ36, φ40 mm
Actual Weight	Approx. 22 Kg
Actual Size (L X W X H)	Approx. Size (484 x 458 x 238) mm
Packaging Type and Size	Wooden Box and Approx. Size (581 x 556 x 336) mm

Operational Requirement

Input Power Supply	AC 230V 50/60Hz, 16Amp
CVT / Stabilizers	If the voltage is unstable then use CVT / Stabilizer to avoid damage

FEATURES

1. Large LCD screen Display, friendly human-machine interface.
2. Maximum 50 Programs of experimental data can be set and stored, safe and convenient.
3. Efficient and durable titanium alloy probe, reliable and accurate.
4. The program has over-temperature/delay/fault protection settings and an alarm system
5. They offer precise control over processing parameters such as amplitude, sonication time, and duty cycle
6. Probe Sonicator model has Auto frequency chasing
7. Variable power output in four stage

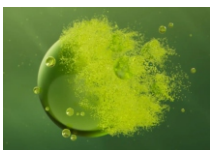
ADVANTAGES

1. High-volume probe sonicators can process large volumes of samples quickly and efficiently, making them ideal for industrial and large-scale laboratory applications
2. These devices can handle a wide range of volumes, from small-scale laboratory samples to large industrial batches, providing flexibility and scalability in processing.
3. High-volume probe sonicators are equipped with powerful ultrasonic generators that can deliver high energy, enabling efficient cell disruption, homogenization, and particle size reduction.
4. The high power and efficiency of these sonicators reduce the time required for processing samples compared to traditional methods.
5. Many high-volume probe sonicators come with advanced features like programmable settings, digital controls, and automation capabilities, which enhance precision and ease of use.
6. The probe design allows for deeper penetration into the sample, ensuring thorough mixing and sonication even in high-viscosity solutions.
7. Modern high-volume sonicators are designed with safety features to protect users from exposure to high-frequency sounds and prevent equipment damage.
8. They can be integrated into existing production lines and systems, offering adaptability to various industrial processes.

APPLICATION

- ◆ **CELL DISRUPTION** : Cell Lysis, DNA & RNA Extraction, Nanotechnology, Protein Extraction
- ◆ **CHEMICALS & AGRICULTURE INDUSTRY** : Adhesive, Silicon Oil, Fertilizer Industry, Pesticides Industry, Plant Growth Regulators
- ◆ **COSMETIC INDUSTRY** : Aloe vera Gel, Body Spray, Chocolate Wax, Face Cream, Face Wash, Fragrance Oil, Lip balm, Lipstick, Liquid Foundation, Lotion, Mascara, Nail Polish, Perfume, Soorten Wax, Sunscreen, Waxes, Serum, Body Mist
- ◆ **COSMETIC INDUSTRY** : Aloe vera Gel, Body Spray, Chocolate Wax, Face Cream, Face Wash, Fragrance Oil, Lip balm, Lipstick, Liquid Foundation, Lotion, Mascara, Nail Polish, Perfume, Soorten Wax, Sunscreen, Waxes, Serum, Body Mist
- ◆ **DISTILLERY** : Beer, Rum, Vodka, Wine, Whisky
- ◆ **EMULSIFICATION /EXTRACTION/OIL** : Almond Extract, Blackberry Extract, Rose Extract, Saffron Extract, Herbal Extract Olive Leaf Extract, Emulsification, Spices Emulsification, Icecream Emulsification, Palm Oil, Flower Oil, Mint Oil, Mustard Oil, Castor Oil, Cumin Oil, Turmeric Oil, Spices Oil, Engine Oil
- ◆ **FOOD & BEVERAGES INDUSTRY** : Coffee Powder, Dairy Products, Fruit Juices, Honey, Jam, Masala Soda, Mayonnaise, Peanut butter, Sauces, Soda, Sugar, Vegetable Juices, Whey Powder, Mushroom Extract, Mulberry Extract, Raspberry Extract
- ◆ **PAINTS AND COATINGS INDUSTRY** : Epoxy, Ink, Paint Colour, Pigments, Paint Thinner, Solvents, Additives, Extender
- ◆ **PHARMACY** : Drugs, Medicines, Omega 3, Vitamin D 3
- ◆ **SAMPLE HOMOGENISATION** : Liquid Syrup, Material Science, Pharmaceutical Liquid filling, Pharmaceutical Paste Sample Homogenisation For Plasmid

A. Cell Disruption



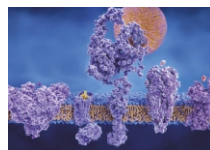
Cell Lysis



DNA & RNA Extraction



Nanotechnology



Protein Extraction

B. Chemicals & Agriculture Industry



Adhesive



Silicon Oil



Fertilizer Industry



Pesticides Industry



Pesticides



Plant Growth Regulators

C. Cosmetic Industry



Face Cream



Aloe vera Gel



Body Mist



Body Spray



Lip bam



Fragrance Oil



Soorten Wax



Chocolate Wax



Serum



Perfume



Waxes



Lotion



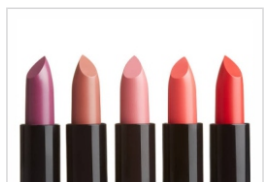
Mascara



Nail Polish



Sunscreen



Lipstick



Liquid Foundation



Face Wash

D. Distillery



Whisky



Beer



Rum



Vodka



Wine

E. Emulsification /Extraction/Oil



Almond Extract



Blackberry Extract



Rose Extract



Saffron Extract



Herbal Extract



Emulsion



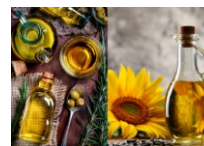
Emulsification



Spices Emulsification



Icecream Emulsification



Flower Oil



Turmeric Oil



Mint Oil



Mustard Oil



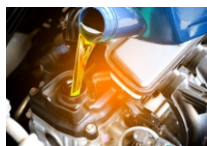
Castor Oil



Cumin Oil



Spices Oil



Engine Oil



Olive Leaf Extract



Palm Oil



Mushroom Extract

F. Food & Beverages Industry



Coffee Powder



Dairy Products



Fruit Juices



Honey



Masala Soda



Mayonnaise



Mulberry Extract



Raspberry Extract



Sauce



Tomatto Sauce



Sauces



Sugar



Jam



Peanut butter



Soda



Vegetable Juices



Whey Powder

G. Paints and Coatings Industry



Epoxy



Ink



Paint Colour



Pigments



Paint Thinner



Solvents



Additives



Extender

H. Pharmacy



Drugs



Medicines



Omega 3

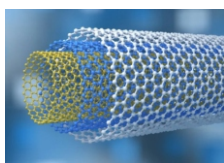


Vitamin D 3

I. Sample Homogenisation



Liquid Syrup



Material Science



Pharmaceutical Liquid
filling



Pharamceutical Paste



Sample Homogenisation
For Plasmid



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ULTRAUTOSONIC LLP

World Class Ultrasonic Equipments Manufacturer & Exporter

FACTORY

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