



BEFORE



AFTER



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

An Industrial Probe Sonicator is an advanced piece of industrial 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)	2000/2500/3000
Probe / Sonotrode (mm)	φ35, φ40, φ54 mm
Actual Weight	Approx. 36 Kg
Actual Size (L X W X H)	Approx. (556 x 556 x 238) mm
Packaging Type and Size	Wooden Box and Approx. Size (654 x 238) 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. A maximum of 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 manual frequency chasing
7. Variable power output in four stage.

ADVANTAGES

1. Industrial Probe Sonicators typically offer high power output, ranging from hundreds to thousands of watts, enabling them to handle large volumes and tough materials
2. Industrial Probe Sonicator allow precise control over the amplitude
3. Industrial 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 Industrial 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 Industrial Probe 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.

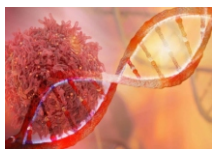
APPLICATION

- ◆ **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



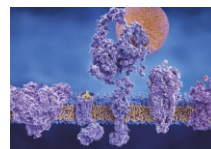
Cell Lysis



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



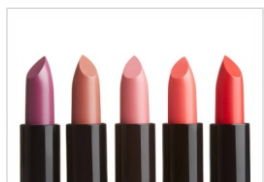
Mascara



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



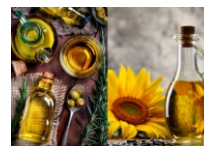
Emulsification



Spices Emulsification



Icecream Emulsification



Flower Oil



Turmeric Oil



Mint Oil



Mustard Oil



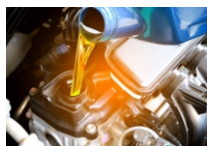
Castor Oil



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

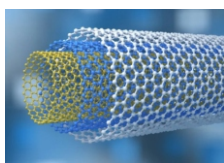


Vitamin D 3

I. Sample Homogenisation



Liquid Syrup



Material Science



Pharmaceutical Liquid
filling



Pharamceutical Paste



Sample Homogenisation
For Plasmid



Enquiry Now

Click for More Details



YouTube



Facebook



Instagram



Twitter



LinkedIn

ULTRAUTOSONIC LLP

World Class Ultrasonic Equipments Manufacturer & Exporter

FACTORY

Sr. No. 44/14,
Darshana Propertise Lane, Opposite
Paranjape Abhiruchi Parisar, Narhe,
Pune - 411041 Maharashtra, India

REGISTER OFFICE

Sr.No 51/7/9,
Row House No. A-12,
RK Imperial, Ambegaon BK,
Pune - 411 046,
Maharashtra, India



+91 77218 47555



+91 77175 77176



www.ultraautosonic.com



info@ultraautosonic.com