



ULTRAAUTOSONIC are Manufacturers, Suppliers, and Exporters of Ultrasonic Generator. Specially designed for plastic welding, liquid sonication, fabric sealing, Food Cutting & PP box welding applications.

ULTRAAUTOSONIC innovated the Ultrasonic Generator. The ultrasonic generator is a device that converts utility power into a corresponding high-frequency alternating current of a transducer to drive a transducer and is an important component of a high-power ultrasonic system. The ultrasonic generator generates a signal of a specific frequency, which may be a sinusoidal signal or a pulsed signal. This specific frequency is the frequency at which the transducer operates. Ultrasonic equipment generally uses ultrasonic waves of 20 kHz to several Mhz

### SPECIFICATION

Frequency (kHz)	15	20	30	40
Power (Watt)	2600	1000/1200/1500/1800/2000	600	500
Horns	Design as per the customized application			
Actual Weight	Approx. 20Kg			
Actual Size (L X W X H)	Approx. (483 x 458 x 238) mm			
Packaging Type and Size	Corrugated Box and Approx. Size (585 x 560 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. Digital Display and Controls
2. **Frequency fine-tuning:** The frequency is adjusted so that the ultrasonic generator always works at its optimum state.
3. **Automatic follow-up:** Once the device has been initially set up, it can be operated continuously without the need to adjust the generator.
4. **System protection:** When the system works in an unsuitable operating environment, the generator will stop working and display an alarm to protect the device from damage.
5. **Amplitude adjustment:** The amplitude can be increased or decreased instantaneously during the working process.
6. The system has Control Mode and Continues Mode.

## ADVANTAGES

1. The conversion efficiency is high
2. The ultrasonic generator creates a signal of a specific frequency,
3. The perfect ultrasonic generator mainly provides feedback signals in the two aspects of output power & frequency tracking
4. The efficiency is maximized.
5. The amplitude setting range is 0% to 100% divided into four stages.
6. Reduced Thermal Damage
7. Low Maintenance
8. Fast Processing.

## APPLICATION

- ◆ **Ultrasonic Food Cutting :** Bhakarwadi, Bread, Chocolate Bar, Meat, Ice-cream, Kaju Katli, Paner
- ◆ **Ultrasonic Plastic Welding Machine :** Horn Fixture, Filter Bag, Tetra Packing, Stationary Item, Aerospace Industry, Asthma Inhaler
- ◆ **Ultrasonic Plastic Welding Hand Gun :** Cooler, Plastic Knob, Logo, Bumper, Plastic Toys
- ◆ **Ultrasonic PP Box Welding Machine :** Automotive Sector PP Box, Pharmaceutical Storage
- ◆ **Ultrasonic PP Box Hand Gun :** PP Box Partition
- ◆ **Ultrasonic Sewing Machine :** Surgical Gown, Non-woven Bag, Watch Belt, PP woven Bag
- ◆ **Ultrasonic Spot Welding Machine :** Velcro, Protective Clothing, Garments Accessories, Mask, N 95 Mask
- ◆ **Ultrasonic Poultry Manure Belt Welder :** H-Layer Battery Cages, Conveyor Belt, Poultry Manure Belt
- ◆ **Ultrasonic Metal Welding Machine :** Battery, Metal Welding
- ◆ **Ultrasonic Probe Sonicator :** Aloe vera Gel / Wax, Beer, Wine, Flower Oil, Herbal Extract, Omega 3, Paint Colour, Perfumes, Pesticide Industry
- ◆ **Ultrasonic Flow Cell Reactor :** Cornstarch, Chocolate Emulsion, Liquid Syrup

### Ultrasonic Food Cutting :



Bhakarwadi



Bread



Chocolate Bar



Meat



Ice-cream



Kaju Katli



Paneer

### Ultrasonic Plastic Welding Machine :



Horn Fixture



Filter Bag



Tetra Packing



Stationary Item



Aerospace Industry



Asthma Inhaler

## Ultrasonic Plastic Welding Hand Gun :



Cooler



Plastic Knob



Logo



Bumper



Plastic Toys

## Ultrasonic PP Box Welding Machine :



Automotive Sector PP Box



Pharmaceutical Storage

## Ultrasonic PP Box Hand Gun :



## Ultrasonic Sewing Machine :



Surgical Gown



Non-woven Bag



Watch Belt



PP woven Bag

## Ultrasonic Spot Welding Machine :



Velcro



Protective Clothing



Garments Accessories



Mask



N 95 Mask

## Ultrasonic Poultry Manure Belt Welder :



H-Layer Battery Cages



Conveyor Belt



Poultry Manure Belt

## Ultrasonic Metal Welding Machine :



Battery



Metal Welding



Metal Welding

## Ultrasonic Probe Sonicator :



Aloe vera Gel



Beer



Wine



Flower Oil



Herbal Extract



Omega 3



Paint Colour



Perfumes



Pesticide Industry



Wax

## Ultrasonic Flow Cell Reactor :



Cornstarch



Chocolate Emulsion



Liquid Syrup



**Enquiry Now**

**Click for More Details**



YouTube



Facebook



Instagram



Twitter



LinkedIn

**ULTRAUTOSONIC LLP**

*World Class Ultrasonic Equipments Manufacturer & Exporter*

### **FACTORY**

Sr. No. 37/2,  
Ashtvinayak Industrial Estate,  
Near Pari Chowk,  
Narhe, Pune-411 041,  
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](http://www.ultraautosonic.com)

[info@ultraautosonic.com](mailto:info@ultraautosonic.com)