



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**

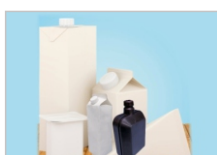
### Ultrasonic Plastic Welding Machine :



**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

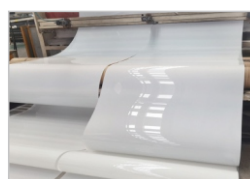
## Ultrasonic Poultry Manure Belt Welder :



H-Layer Battery Cages



Conveyor Belt

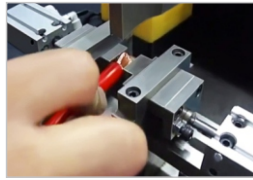


Poultry Manure Belt

## 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



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**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](http://www.ultraautosonic.com)

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