



ULTRAAUTOSONIC are Manufacturers, Suppliers, and Exporters of Ultrasonic Sewing Machine. We designed ultrasonic fabric sealing machines in different industries like the Automotive industry, Home Textile Industry, Medical Industry, Packaging Industry, etc...

ULTRAAUTOSONIC innovates the Ultrasonic Sewing machine, which does not require sewing thread or other supplies, is four times faster than ordinary sewing machines and 10 times faster than glueing Ultrasonic sewing machine uses high-frequency vibration to bond two or more layers of materials together. If two different fabrics are bonded together, the two materials should have the same melting temperature and sewing requirements.

Non-wovens, thermoplastic woven fabrics, elastic fabrics or knitted materials are ideal for ultrasonic cutting and sewing, including polyacrylonitrile, polyester, polyamide, polyethylene, polypropylene, certain polyvinyl chloride, polyurethane elastic fibres and acetate fibres.

The ultrasonic vibration is transmitted from the horn to the material. Frictional heat is developed where they touch. This momentary heat and pressure from the roller uses the edges of the fabric and plies join together. A cutting edge is used on the anvil to cut and seal the edges.

## SPECIFICATION

Machine Type	USM - 1	USM - 2
Frequency (Khz)	20 kHz	
Power (Watt)	1000 Watt	1500 Watt
Actual Weight	Approx. 80 kg.	Approx. 95 kg.
Actual Size (L X W X H)	Approx. ( 1193 x 605 x 1267 ) mm	
Packaging Type and Size	Wooden Box and Approx. Size (1340 x 752 x 1414 ) 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
Working Pressure	2 to 6 bars (Air Compressor required 1 Hp 50Ltr)

## FEATURES

1. Greatly improving work efficiency.
2. Various patterns are available for trim, lacing and embossing on different fabrics
3. The power is adjustable according to the material and thickness.

4. Moulds are easy to change, and a variety of patterns can be changed according to customer's preferences.
5. Compatible with Different Pattern Stitching Rollers.
6. Customizable Cutting Parameters.

## ADVANTAGES

1. High productivity and no smoke or fumes produced.
2. Easy to operate.
3. High accuracy.
4. Pressure regulation.
5. Speed control.
6. Low noise level.
7. Ultrasonic welded seam is more fine and neat
8. Time Duration
9. Ultrasonic Sewing machine takes less time and increases production
10. Low Energy consumption
11. Low Maintenance

## APPLICATION

- ◆ **APPAREL MANUFACTURING INDUSTRY** : Acrylic, Gloves, Jacket Fabric, Lace Fabric, Non-voven Geotextile, Protective Clothing, Surgical Gown
- ◆ **AUTOMOTIVE INDUSTRY** : Door Panel, Gear Knob, Inner Door Handle Cover, Sitting Component, Watch Belt
- ◆ **HOME TEXTILE INDUSTRY** : Coffe Bag & Table Softner Sheet, Crop Fruit Cover, Crop Fruit Cover, Cusions Cover Ironing Board pad, Non-voven Bag, Pillow Covers & Curtains Sports & Home Apparel, Table Cloth , Tea Bag
- ◆ **MEDICAL TEXTILE INDUSTRY** : Coban Dressing, Handgloves, Mask, Non-voven Crop, Non-voven Wipes, Surgical Cap, Surgical Gown
- ◆ **PACKAGING INDUSTRY** : Cosmetic Pouches, Food Grain Bag, Mattelic Pouches, Non-voven Bag, PP Woven Bag, Standing Pouches, Zip Lock Pouches
- ◆ **TECHNICAL TEXTILE INDUSTRY** : Aeroplane Textile, Bullet Proof Jacket, Home Textile, Medical Textile, Protective Textile, Raincoat, Sports

## APPAREL MANUFACTURING INDUSTRY



Acrylic



Gloves



Jacket Fabric



Lace Fabric



Non-voven Geotextile



Protective Clothing

## AUTOMOTIVE INDUSTRY



Door Panel



Gear Knob 2



Sitting Component



Inner Door Handle Cover



Watch Belt

## HOME TEXTILE INDUSTRY



Coffee Bag  
Table Softner Sheet



Cusions Cover



Crop Fruit Cover



Ironing Board pad



Pillow Covers & Curtains



Tea Bag



Non-voven Bag



Sports & Home Apparel



Table Cloth

## MEDICAL TEXTILE INDUSTRY



Coban Dressing



Handgloves



Mask



Non-voven Crop



Non-voven Wipes



Surgical Cap



Surgical Gown

## PACKAGING INDUSTRY



Cosmetic Pouches



Food Grain Bag



Mattelic Pouches



Non-voven Bag



PP Woven Bag



Standing Pouches



Zip Lock Pouches

## TECHNICAL TEXTILE INDUSTRY



Aeroplane Textile



Bullet Proof Jacket



Home Textile



Medical Textile



Protective Textile



Raincoat



Sports



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## **ULTRAUTOSONIC LLP**

*World Class Ultrasonic Equipments Manufacturer & Exporter*

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