



ENGINEERS



**HIGH - END
SOLUTIONS FOR
ULTRASONIC**
Machinery and Tools

About Us

Founded in the year 2006, Unisonic Engineers has marked itself as the leading enterprise in providing high-end solutions for machinery and tools. Our advanced manufacturing methodologies helped us in making our name in both Indian and foreign markets. Our unmatched services have made us capable of staying active in varied industries with absolute success. The range which we have been supplying in markets includes Ultrasonic Manure Belt Repair Machine, Rectangular Ultrasonic Horn, Ultrasonic Transducers, PP Corrugated Box Velcro Rivet Machine and more. Located in Pune (Maharashtra), we have our business running successfully all across the world.

Our enterprise is dedicated to the convenience and satisfaction of clients. We take well measured steps for ensuring that high expectations and exact requirements of clients are met by us without any delays or compromise in the process.

Why Us?



Our shipping facility for timely and safe deliveries



Our affordable and long lasting business deals



Our professional support and services



Our transparency, punctuality and working ethics

Certificates



PP Box Rivet Machine

PP Box Riveting Machines are a unique option on the market thanks to their outstanding qualities. These machines are designed to handle a range of box sizes and thicknesses thanks to their sturdy construction and state-of-the-art technologies. You have flexibility to tailor the riveting process to your own needs thanks to the changeable parameters. Our machines are also built to be easily maintained, which reduces downtime and maximizes output.

Product Specification:

Material	Iron
Air Source Pressure	17CFM
Brand	Unisonic Engineers
Rotation	Speed
Automation Grade	Semi-Automatic
Power	220 TO 240V
Production Capacity	15 Revit In 1 Minute
Country of Origin	Made in India



Ultrasonic File Folder Welding Machine

An Ultrasonic File Folder Welding Machine is a specialized piece of equipment designed for welding or bonding materials, typically used in the production of file folders, document holders, and similar office or organizational products. The machine utilizes ultrasonic welding technology to create strong and reliable bonds between materials without the need for additional adhesives or fasteners. Ultrasonic welding is particularly effective for joining thermoplastic materials.

Product Specification:

Here are some features you might find in an Ultrasonic File Folder Welding Machine:

Ultrasonic Welding Technology: Uses high-frequency ultrasonic vibrations to create localized heat, melting and bonding thermoplastic materials.

Energy Control: Adjustable energy settings to control the intensity of the ultrasonic welding process, ensuring suitability for different materials and thicknesses.

Tooling System: Equipped with specialized tooling designed for welding file folder materials.

Tooling may be customized based on the specific design and size of the file folders.



Ultrasonic PP Box Welding Machine

These devices can handle a broad variety of box thicknesses and sizes because of their adaptability. The advanced welding technique upholds the highest standards of quality while guaranteeing a stable and uniform bond. Moreover, the configurable settings and intuitive interfaces of these machines render them an invaluable addition to any production line.

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Ultrasonic Welding Machine

As leading Ultrasonic Plastic Welding Machine manufacturers, our Ultrasonic Welding Machine is a great example of how advanced engineering and technology can be. This high-tech piece of equipment was carefully made to meet the changing needs of modern industry. It works well in a wide range of situations and is reliable.

Product Specification:

- High-speed riveting capabilities
- Adjustable riveting pressure for different box thicknesses.
- Robust construction for long-term reliability.
- User-friendly UI for simple operation.
- Compact design to maximize floor space.



Power Source	Electric
Output Current (Ampere)	100 - 300 Ampere
Voltage	220 V
Warranty	1 Year
Automation Grade	Automatic
Brand	Unisonic Engineers
Power	1200 Watt
Operating Frequencies	15 kHz

EPE Foam Cutting Machine

Being EPE Foam Cutting machine suppliers, our EPE Foam Cutting Machines are innovative devices that seamlessly combine productivity and accuracy in the foam processing industry. These expertly designed machines raise the bar for foam cutting and provide a dependable, effective solution. Everything, from complex designs to intuitive user interfaces, is made to improve your foam fabrication experience.

Product Specification:

Our EPE Foam Cutting Machines have features that set them apart from other foam processing equipment. These machines prioritize adaptability by accommodating different foam densities and thicknesses, offering a state-of-the-art solution for a wide range of applications. Our product range includes a wide range of Hot Wire Foam Cutter and EPE FOAM SCOOPING MACHINE

Hot Wire Foam Cutter

Usage/Application	Industrial
Material	Mild Steel
AC Cable Length	3 Meter
Power Cord Length	3 Meter
Power Source	Single Phase
Item Weight	50KG
Power	230V
Country of Origin	Made in India

EPE Foam Scooping Machine

Usage/Application	Epe Foam Scooping
Brand	Unisonic Engineers



Ultrasonic Velcro Welding Machine

An Ultrasonic Velcro Welding Machine is designed for welding or bonding Velcro fasteners using ultrasonic technology. Velcro, a brand name for a type of hook-and-loop fastener, consists of two components: hooks and loops.

Here are some common features associated with Ultrasonic Velcro Welding Machines:

Ultrasonic Welding Technology: Utilizes high-frequency ultrasonic vibrations to create localized heat, melting the Velcro material and forming a strong bond between the hooks and loops.

Energy Control: Adjustable energy settings to control the intensity of the ultrasonic welding process, ensuring suitability for different Velcro materials.



EPE Foam Sheet Bonding Machine

Being top EPE foam sheet bonding machine suppliers, our EPE Foam Bonding Machines offer a revolutionary method of foam assembly by utilizing state-of-the-art technology. In the foam bonding business, these finely built machines are the perfect example of efficiency and dependability. Every element, from intricate patterns to user friendly interfaces, is intended to improve your foam bonding experience and produce a solution that is both creative and practical.

Product Specification:

Unlike other foam assembly machines, our EPE Foam sheet Bonding Machines are distinguished by special features. These machines are ideal for a multitude of applications since they are made with versatility in mind and can handle a wide range of foam densities, widths, and thicknesses. The highest quality criteria are met while a strong and stable bond is ensured by advanced bonding technology. Additionally, the customizable settings and intuitive interfaces of these machines make them an adaptable addition to any foam assembly line.

EPE Foam Sheet Bonding Machine:

Automation Grade	Manual
Model Name/Number	EPE Foam Manual Bonding Machine
Voltage	220 V
Number Of Phases	Signal
Brand	Unisonic Engineers
Country Of Origin	Made In India



Ultrasonic Homogenizer

An ultrasonic homogenizer is a laboratory device that utilizes ultrasonic waves for the purpose of homogenizing, dispersing, emulsifying, and disrupting biological samples, among other applications. The device uses ultrasonic energy to create cavitation, which leads to the formation and collapse of microscopic bubbles in a liquid.

Here are some common features and characteristics of ultrasonic homogenizers:

Ultrasonic Transducer: The heart of the ultrasonic homogenizer is the ultrasonic transducer, which converts electrical energy into ultrasonic vibrations.

Probe or Horn: The ultrasonic energy is often delivered through a probe or horn, which is immersed in the liquid sample. The design of the probe can influence the homogenization efficiency.



Ultrasonic Sewing Machine

Being ultrasonic Sewing Machine suppliers, our Ultrasonic Sewing Machine is an example of how technology and textile artistry can work together.

With its meticulous engineering, this machine is a valuable tool for a variety of textile industry applications since it embodies efficiency, reliability, and versatility.

Product Specification:

Ultrasonic vibrations at high frequencies for accurate sewing

Flexible stitching parameters that can be changed

Sturdy structure for long-term stability

easy-to-use controls and a straightforward interface

Flexible tooling choices for various materials

Product Details:Ultrasonic Sewing & Lace Cutting Machine

Machine Condition	New Only
Machine Type	Manual
Max Sewing Speed	2000-3000 (stitch/min)
Usage/Application	Non Woven
Power	1500 WATT
Warranty	6 Month
Country of Origin	Made in India

1500 watt 20 khz ultrasonic Sewing Machines available in India from Maharashtra.

Sanitary Napkin Packaging Machine

Sanitary Napkin Packaging Machines are designed with great care to satisfy the particular needs of packaging feminine hygiene products. In the packaging business, these machines epitomize dependability and efficiency, having been designed with ease and hygiene in mind.

Product Specification:

With features that distinguish them as leaders in the industry, our Sanitary Napkin Packaging Machines are second to none. These machines are very adaptable and capable of handling a wide range of sanitary napkin sizes and varieties with ease.

Benefits of the Product:

Sanitary Packaging: As leading sanitary napkin packaging machine manufacturers, we use advanced sealing technology to provide sanitary napkins with safe, hygienic packaging that preserves their purity and integrity.



Ultrasonic Eyelet Welding Machine

Being Ultrasonic Eyelet Welding Machine suppliers, our Ultrasonic Eyelet Welding Machine represents the epitome of engineering excellence, meticulously designed to meet the diverse needs of industries requiring precise and durable eyelet welding. This advanced machine seamlessly integrates into your production line, providing a seamless and reliable solution for eyelet attachment.

Product Specification:

High-frequency ultrasonic vibrations for precise welding

Adjustable welding parameters for versatility

Robust construction for stability and durability

User-friendly interface with intuitive controls

Versatile tooling options for different eyelet sizes and materials

Material Compatibility: Suitable for welding eyelets onto various materials such as fabrics, plastics, or composite materials.

Tarpaulin Eyelet Welding Machine

Minimum Order Quantity	01 Unit
Material	Plastic
Packaging Type	Trapuline
Automation Grade	Manual
Brand	Unisonic Engineers
Output Current	0-100
I Deal In	A New Only

ULTRASONIC EYELET WELDING MACHINE FOR TARPULIN In India From Maharashtra.

Flat Bed PP Sheet Die Cutting Machine

Being Flat Bed PP Sheet Die Cutting/Punching Machine suppliers we are aware that To meet the needs of companies that demand accurate and effective PP sheet cutting, our Flat Bed PP Sheet Die Cutting Machine showcases our exceptional engineering.

Product Specification:

For accuracy, a high precision die cutting mechanism is used.

Modifiable cutting parameters to ensure flexibility.

Robust framework for durability and stability.

Controls are simple to use and the UI is welcoming.

Adaptable tooling options for different die sizes and shapes.

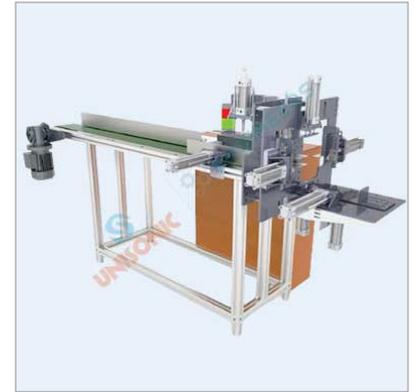


Diaper Packaging Machine

These machines are reliable and effective in the packaging business because they were made to be easy to use and efficient. Every part, from the sleek designs to the easy-to-use interfaces, is made to improve the packaging experience.

Product Specification:

Our diaper packaging machines have features that make them the best in their field. These machines are designed to be flexible, so they can easily handle diapers of different sizes and types. They are an advanced option for a wide range of packaging needs.



Ultrasonic Horn

An ultrasonic horn, also known as an ultrasonic sonotrode, is a component used in ultrasonic welding, cutting, or other ultrasonic processes.

Features

Material: Ultrasonic horns are often made from materials with high mechanical Q values, such as titanium or aluminum. These materials can efficiently transmit ultrasonic vibrations.

Frequency: The frequency of the ultrasonic horn is matched with the frequency of the ultrasonic transducer to ensure resonance and optimal performance.



Ultrasonic Hand Gun

Ultrasonic technology can be used in welding, cutting, cleaning, or other industrial processes. Without specific details about a particular product with this name, I can provide a general overview of what features and applications a handheld ultrasonic device might have:

Application: The device could be used for applications such as ultrasonic welding, cutting, sealing, cleaning, or even non-destructive testing.

Portable Design: Typically handheld and designed for ease of use in various work settings.

Power Source: Powered by electricity or batteries, depending on the specific design and intended use.

Trigger Mechanism: May include a trigger or control mechanism for activating and deactivating the ultrasonic vibrations.

Frequency Adjustment: Some models may offer the ability to adjust the frequency of the ultrasonic vibrations based on the application or material being processed.

Ergonomic Handle: Designed with an ergonomic handle for comfortable use during prolonged periods.



PP sheet grinding \ Shredder machine

Why sell PP scrap for less , save space , get more scrap price by doing grinding and get machine ROI in 1 year depending as per your scrap . Earn 10rs more in grinding



Product Specification:

- Model PP Sheet Grinder – 18” / 15HP
- Application Grinding:- PP (Polypropylene) sheets into granules
- Blade Size :- (Rotor)18 inches (cutting blades)
- Motor Power:-15 HP, Heavy-duty, 3-Phase AC Motor
- Power Supply:-415V, 50Hz, Three Phase
- Cutting Size (Output):-Approx. 14 mm granule size
- Cutting Capacity :- (GSM)Up to 1500 GSM PP sheets
- Feed Material Size:-PP sheets & offcuts up to suitable width
- Blade Type:-Hardened steel blades, replaceable & resharpenable
- Construction:-Robust MS (Mild Steel) body with powder coating / paint
- Drive Type:- Belt drive
- Production Capacity:-1 ton
- Machine Weight:-1200kg
- Safety Features:-, safety guards, vibration-damped Optional Features Dust collection port

Metal Welding Machine

2000-watt, 20kHz ultrasonic metal welding machine is a high-power industrial tool used for joining metal parts using high-frequency ultrasonic vibrations without the need for bolts, solder, or adhesives. Here's a quick breakdown of its key specs and uses:

Key Specifications :

Power Output :

2000W (2kW) – sufficient for welding various metals like aluminum, copper, nickel, etc.

Frequency :

20kHz – ideal for metal welding, offering a balance between precision and power.

Advantages :

- Fast and clean welds
- Low thermal impact on parts
- No need for filler material
- Energy – efficient process



OUR CLIENTS



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