

## WHO WE ARE ?

Our first and foremost priority is the soundness of the product. We firmly believe that "The product offered must give the customer, not only what he expects, but true value, besides being an engineering marvel." **Eewa's** enormous strength comes from a wonderful combination of its highly efficient and professional management and a dedicated workforce of qualified and experienced engineers and technicians and marketing personnel, which in turn, leads to world-class manufacturing, testing and R & D, besides meeting requirements of clients' specifications in India and world across. Each and every component of our products is manufactured under strict supervision of our highly qualified, technically trained and experienced engineers. Our products reflect **Eewa's** assurance of quality. State-of-the-art technology, latest machinery and continuous research and development are the key elements of our success.

## WHAT WE DO : Global Leaders in Thermal & Packaging Engineering

For over 58 years, Eewa has been a pioneer in engineering custom solutions for the packaging and process industries. Our expertise lies in the precise application of heat and pressure to optimize industrial productivity. With a footprint in numerous countries, we combine five decades of heritage with cutting-edge, computerized inventory and dispatch systems to serve a global clientele.

- Engineering Modifications: We don't believe in "one size fits all." Every suggestion from our customers is integrated into our engineering process to add real value.
- Computerized Precision: Our fully automated inventory and billing systems provide instant updates and swift international dispatch.
- Enduring Trust: We provide comprehensive after-sales support, acknowledging that our service is just as important as the product itself.

## Engineering Excellence Since 1967

**300+**  
**Models**

**35000+**  
**Customers**

**60+**  
**Countries**  
**Export**



### "LEGAL CAUTION"

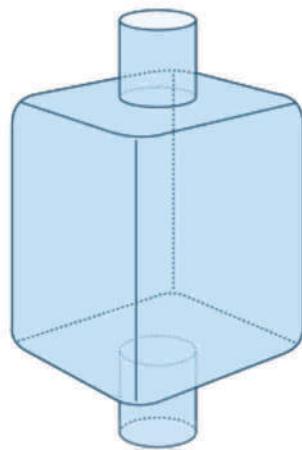
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# SEALING

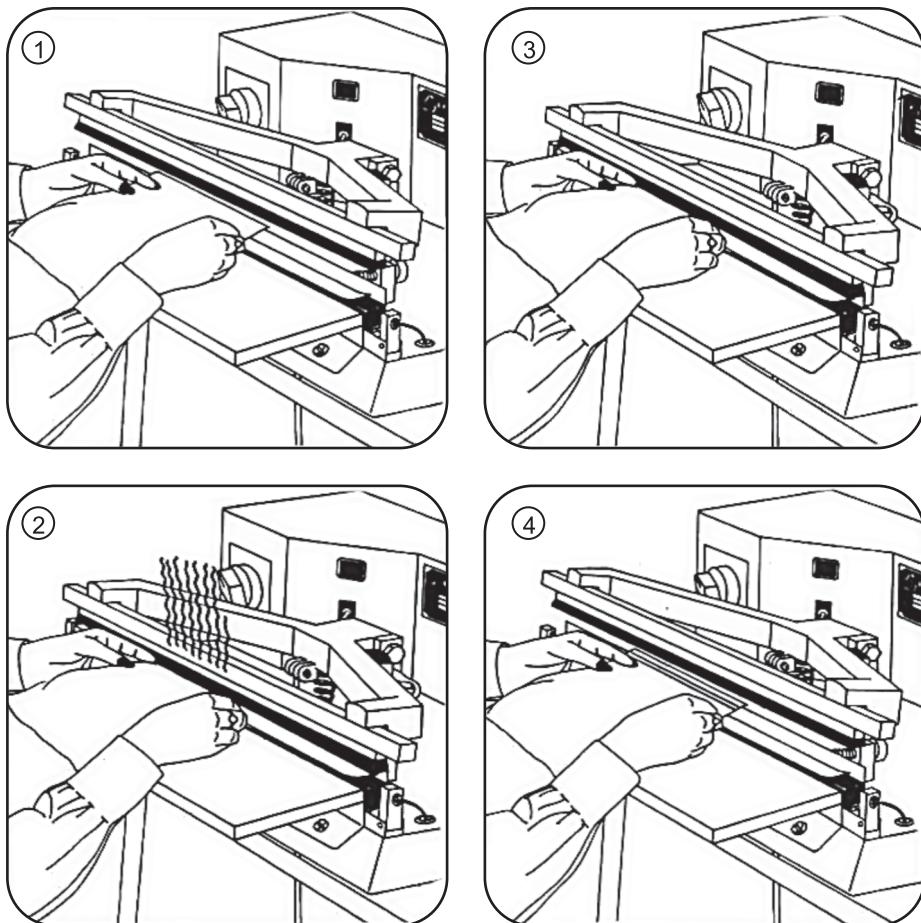


## IMPULSE SEALING

Impulse sealing is a high-precision thermoplastic welding process that utilizes a rapid burst of electrical energy to create an airtight bond. Unlike constant-heat systems that remain hot throughout the day, an impulse sealer only generates heat during the actual sealing cycle. A low-mass Ni-chrome heating element reaches the target melting temperature in milliseconds, fusing the material layers instantly before the current is cut off. This method is highly energy-efficient and significantly safer for operators, as the sealing jaws do not retain hazardous levels of heat between cycles.

The defining advantage of this technology is the integrated "Cooling Under Pressure" phase. Once the heat pulse concludes, the pneumatic jaws remain closed for a brief, timed interval, allowing the molten plastic to solidify while still compressed. This results in a structurally superior, high-strength seam that is less prone to warping or shrinking compared to traditional methods. Because the heat is localized and precisely controlled, impulse sealing is ideal for heat-sensitive products and a wide variety of materials, ranging from thin PE films to heavy-duty aluminum laminates.

Our advanced impulse systems are designed for repeatability and industrial durability. By using digital timers and pneumatic controls, the machine ensures that the three critical variables of sealing—Temperature, Pressure, and Time—remain consistent for every package. This level of control, paired with our vacuum-volume reduction technology, allows businesses to achieve professional-grade packaging that protects product integrity while maximizing storage efficiency and shipping density.



## RETAIL PACKAGING MACHINERY

### HAND SEALER

The Hand operated economy Impulse bag sealers are great for quick, easy, nice-looking seals at an economy price. Ideal for start-up or low-production requirements where large packaging equipment is not appropriate. It seals many types of thermoplastic film / bags like PE, PP, LDPE, LLDPE, HM, HDPE. It is adjustable for temperature control to seal film of different thickness. There are wide variety of customized solutions available for the same.



### SALIENT FEATURES

- Adjustable sealing time for different films
- Single Heating Element of 2 mm or 3 mm wide
- Manual Hand Press Model
- Available in the size of 9", 12", 16", 18" & 21"

### FOOT OPERATED SEALER



The foot operated sealer machine is an essential unit engineered for consistent, high-integrity heat sealing across various industrial applications. Utilizing impulse heat technology, this machine is specifically designed to create reliable, airtight seals on all common thermoplastic films, including Polyethylene (PE) and Polypropylene (PP). Its robust, foot-operated mechanism ensures hands-free operation, significantly enhancing productivity and seal uniformity for both small-scale retail packaging and the high-volume manufacturing of empty bags from roll stock. An integrated adjustable timer allows precise heat control, ensuring optimal sealing strength and film protection.

### SALIENT FEATURES

- Manual Foot Pedal Press operation
- Seals polyethylene bags and any thermoplastic materials quickly and efficiently
- Seal Length available in 15" to 40" size
- Seal width 1 mm, 2 mm, 3 mm, 5 mm, 8 mm
- Two parallel seals are available upon request
- Provision of upper and lower jaw heating element

### PNEUMATICALLY OPERATED SEMI AUTOMATED SEALER

EEWA's Powered Impulse Sealer series, incorporating pneumatic technology, delivers precise and consistently repeatable heat sealing for all thermoplastic films. These semi-automatic models utilize pneumatic pressure to ensure a powerful and uniform seal every cycle. Equipped with an indicator light and dwell timer control, they meticulously manage both sealing and cooling phases, allowing operators to achieve strong, efficient, and professional-grade packaging results with ease.



### SALIENT FEATURES

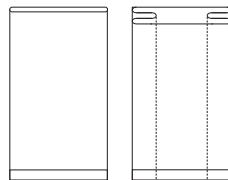
- Pneumatically controlled semi-automatic operation
- Seals polyethylene film / bag and any other thermoplastic film / bag quickly and efficiently.
- Seal Length available from 15" to 40" (depends upon model)
- Seal width 1 mm, 2 mm, 3 mm, 5 mm, 8 mm
- Equipped with Digital Timer
- Two parallel seals are available upon request
- Provision of Upper & Lower Jaw Heating Element

## LIGHT DUTY PNEUMATICALLY SEMI AUTOMATED SEALER

These are light duty pneumatic powered Sealers and trim sealers are designed for packaging applications. Accurate Digital Timers are provided for fast and efficient sealing. Every pneumatic machine is provided with air cylinder, air filter, oil lubricator, gauge, solenoid valve with suitable capacity and proper range. These machines seal polyethylene and other thermo-plastic films.

### SALIENT FEATURES

- Seals polyethylene and other thermoplastic film / bag and any other thermoplastic film / bag quickly and efficiently.
- Seal Length available from 15" to 40" (depends upon model)
- Seal width 1 mm, 2 mm, 3 mm, 5 mm, 8 mm
- Two parallel seals are available upon request
- Provision of Upper & Lower Jaw Heating Element



## PLASTIC BAG EDGE SEALER

This Impulse Type Heat Sealing Machine is designed to seal end / edge portion of bag. This Machine is mainly used for sealing filled bag. We designed this machine particularly for sealing filled bags.

### SALIENT FEATURES

- Pneumatically controlled semi-automatic type
- Heavy duty type
- Impulse type sealer
- Model available from 15" to 40" sealing length
- Any PE film / bag can seal in various thickness

### APPLICATIONS

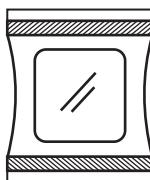
- Furniture Packaging
- Any arbitrary shape filled bag sealing

## VOLUME REDUCTION FOR THE LIGHT DUTY MACHINE

The Volume Reduction integration in our Impulse Heat Sealing systems utilizes a sophisticated pneumatic process to optimize package geometry by eliminating excess headspace. During the cycle. To ensure maximum efficiency, integrated mechanical compression Mechanism or specialized sponge media physically collapse the packaging material around the product, purging ambient air outside. Once the optimal volume is achieved, the system's impulse heating element delivers a precision-timed electrical pulse creating a strong leak proof seal.

### APPLICATION

- Electronics & ESD Components
- Pharmaceutical & Medical Kits
- Specialty Foods & Portion Control
- High-Value Industrial Hardware



## VACUUM TECHNOLOGY FOR THE LIGHT DUTY MACHINE

In addition to air removal, integrating high-barrier polymer films (such as EVOH or Nylon-based laminates) is superior to conventional polyethylene (PE) films because they provide a nearly impermeable shield against external elements. While standard films have high transmission rates that allow microscopic amounts of oxygen and moisture to seep in over time, high-barrier films are engineered with specialized layers that offer an exceptionally low Oxygen Transmission Rate (OTR) and Moisture Vapor Transmission Rate (MVTR). This "shield effect" ensures that the vacuum environment created by the machine is maintained throughout the entire distribution chain, preventing the re-entry of gases that cause spoilage or "pitting" in the film. When paired with vacuum sealing, these advanced polymers act as a vault, sealing in aromas and protecting high-fat or sensitive products from the rapid degradation common in conventional, single-layer packaging.

### APPLICATION

- Sterile Medical & Dental Kits
- Retail Specialty Foods
- Precision Industrial Hardware
- Pharmaceutical Samples





## WHY GAS PURGING IS IMPORTANT?

Gas purging is a critical component of advanced impulse sealing because it facilitates Modified Atmosphere Packaging (MAP), a process that significantly extends product shelf life and maintains integrity. By injecting an inert gas—typically Nitrogen or Carbon Dioxide—into the bag immediately after the sealing cycle but before the final seal, the machine displaces residual oxygen that causes oxidation, mold, and bacterial growth. For fragile items like electronic components or crispy food products, gas purging also provides a "pillow effect," creating a pressurized cushion that prevents from crushing the contents during storage and transit. This technology ensures that your product reaches the end consumer in its original state, free from environmental degradation and physical damage.

### APPLICATION

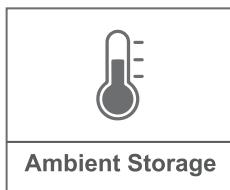
- Food & Beverages
- Electronics and Semiconductors
- Pharmaceuticals
- Industrial and Chemicals



Increase Shelf Life



Easy Distribution



Ambient Storage



No Fungus



No Preservatives

## WHY EXPLOSION PROOF MACHINERY?



EEWA specializes in providing high-performance retail packaging solutions for volatile and flammable materials, including paints, camphor, and alcohol-based products, available in all formats such as solids, granules, and powders. Leveraging our dedicated Research & Development wing, we have engineered specialized weighing, filling, and impulse heat-sealing systems tailored to meet the rigorous safety requirements of hazardous consumer goods. Our equipment is specifically designed to produce shelf-ready, flexible packaging that ensures both aesthetic appeal and airtight integrity for the retail market. By integrating explosion-proof technologies and precision pneumatic controls, EEWAA ensures that even the most sensitive products are packaged with absolute safety and consistency. Our robust machinery range caters to the unique needs of the chemical and specialty retail sectors, offering high-speed efficiency without compromising on durability. Whether you require precise filling for fine powders or stylish pouches for granular chips, our custom-developed solutions deliver the security and professional finish your brand demands for the shelf.

### APPLICATION

- Chemical & Solvent Packaging
- Pharmaceutical & API Manufacturing
- Combustible Dust Environments
- Munitions & Pyrotechnics
- Petrochemical & Lubricants
- Metal Powder Processing

## HEAVY DUTY PNEUMATIC SEALING MACHINE

The Eewa PSA HD Series Liner Sealer is precision-engineered to meet stringent global standards, offering an unparalleled solution for heavy-duty industrial sealing. Built on the precise, energy-efficient principle of the Impulse Heat-Sealing System, it guarantees fast, efficient, and hermetic seals on high-temperature materials and thick multi-layer films. This globally competitive machine's core strength is its capacity for extra-long sealing, with customizable lengths ranging from 50 inches up to 200 inches, setting it apart from standard sealers. Its robust, industry-standard structure ensures stable performance for critical applications like container liner, pond lining, and flexible tank manufacturing. Choose Eewa for superior quality, versatility across materials (LDPE, EVOH, multi-laminates), and a customized solution that positions your production at the forefront of the industry.

### SALIENT FEATURES

- Pneumatically controlled semi-automatic operation.
- Heavy Duty and sturdy structure
- Made with Industry Standards.
- Seals polyethylene bags and any thermoplastic materials quickly and efficiently.
- Sealing Length available from 50" (1.2 MTR) to 200" (5 MTR) (depends upon model) in a single cycle.
- Seal width: 8,10,12,15mm.
- Equipped with Standard make Fittings & Accessories.
- Upper & Lower Heating Element.
- More Options: can be Discussed.
- Customized product with a Single Quantity is our specialty.

**STANDARD SEALING**



**INFINITE SEALING**



**CANTILEVER SEALING**



## VERTICALLY MOUNTED BAG SEALING MACHINERY

### HIGH-PERFORMANCE VERTICAL SEALING SOLUTIONS

EEWA Engineering offers specialized Impulse Heat Sealing Machinery designed specifically to meet the high-durability requirements of industrial bulk packaging. Our advanced vertical models are engineered to seal vertically mounted PE bags and liners, providing a seamless solution for heavy-duty containers where spill prevention and structural integrity are paramount. Built in strict accordance with international standards, these machines deliver superior seal strength capable of withstanding the extreme pressures of bulk storage and global transit. By utilizing precision impulse technology, we ensure a consistent, airtight, and leak-proof barrier that preserves product purity and prevents contamination.

### INDUSTRY-SPECIFIC APPLICATIONS

Our vertical sealing technology is the trusted standard for the Food, Chemical, Veterinary, and Agro-industries, where high-volume reliability is essential. These machines are optimized for sealing bulk bags containing everything from fine pharmaceutical powders and animal feed to fertilizers and food-grade ingredients. Whether integrated into a high-speed production line or used for manual bulk filling, our machinery ensures that every package meets the highest safety and quality benchmarks.



## VERTICAL MOUNTED BAG SEALING MACHINE

This vertical, manual, foot-operated Impulse Heat-Sealing Machine is expertly designed for sealing large thermoplastic bags (PE & PP), especially when the product weight exceeds 25 kg or 50 pounds. The machine features a vertically oriented sealing mechanism to accommodate heavy product bags, ensuring ease of operation and stable packaging. Built with options for Mild Steel or various grades of Stainless Steel to suit diverse applications, it includes an adjustable platform for customized working heights, maximizing operator comfort and ensuring optimal bag volume and efficient packaging across various product properties.

### SALIENT FEATURES

- Foot Pedal Press Operation
- Horizontal jaw movement
- Seals polyethylene bags and any thermoplastic materials quickly and efficiently
- Seals materials up to 40" wide
- Seal width is 2 mm- 3 mm- 5 mm- 8 mm
- Two Parallel seals on request
- Equipped with an Electronic Timer. Adjusting the sealing time provides for different material thickness.
- Light indicates when the seal is done. Once the correct time is set, the sealer will provide a perfect, consistent, flat seal every time.



## LIQUID POUCH SEALING MACHINE

This Heat-Sealing Machine for Liquid-Filled Pouches/Sachets is a custom-engineered device that uses controlled heat and pressure to create a durable, leak-proof seal essential for packaging liquid products. Key flexibility features include various sealing lengths and jaw widths to suit diverse pouch sizes, enhancing seal strength for liquids. Structurally, it can be fabricated from cost-effective Mild Steel for general use or hygienic stainless steel for food and clean room applications. The operating principle involves melting the pouch film and then pressing it to form a hermetic barrier. This customization ensures optimal seal integrity and longevity tailored to the specific production environment, making it a highly versatile packaging solution.

### SALIENT FEATURES

- Tabletop design
- Ergonomic design
- Plug and play system
- Precise temperature can be set as per film material and thickness
- Precise time can be set as per application and production
- Uniform pressure can be set for leakage free sealing with consistency.



## PNEUMATIC SEMIAUTOMATED SEALING MACHINE

Engineered for sealing heavy, filled product bags weighing over 25 kg or 50 pounds, this vertical-mounted sealer ensures accurate, high-strength sealing through its pneumatic press operation. The pneumatic system guarantees consistent and uniform pressure for every seal, while the Impulse Sealing Technology provides rapid and efficient closure. Constructed from durable materials, including Mild Steel and various grades of Stainless Steel to suit specific applications, the machine offers programmable control over critical sealing parameters such as time, temperature, and pressure, ensuring optimal performance and reliability for demanding industrial use.

### SALIENT FEATURES

- Pneumatically controlled semi-automatic operation
- Horizontal jaw movement
- Seals polyethylene bags and any thermoplastic materials quickly and efficiently
- Seals materials up to 50" wide
- Seal width is 2 mm- 3 mm- 5 mm- 8 mm
- Two Parallel seals on request
- Equipped with a plug-in digital timer. Adjusting the sealing time provides for different material thickness.
- Light indicates when seal is done. Once the correct time is set, the sealer will provide a perfect, consistent, flat seal every time.

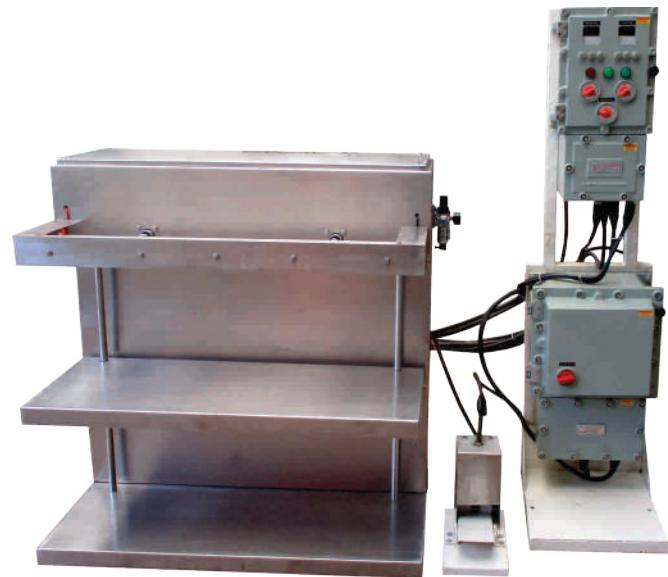


## PNEUMATIC SEMI AUTOMATIC EXPLOSION PROOF SEALING MACHINE

EEWA specializes in providing high-performance packaging solutions for volatile and flammable materials, including paints, camphor, and alcohol-based products, across all physical formats such as solids, granules, and powders. Leveraging our dedicated Research & Development and innovation wing, we have engineered specialized weighing, filling, and impulse heat-sealing systems tailored to the rigorous safety requirements of hazardous environments and follows IEC 60079 series standards. Our equipment is specifically designed to facilitate smooth bulk packaging and streamlined logistics while maintaining the highest standards of containment and stability. By integrating explosion-proof technologies and precision pneumatic controls, EEWAA ensures that sensitive industrial goods are sealed with absolute integrity and consistency. These robust machinery ranges cater to the unique needs of the chemical and petrochemical sectors, offering both durability and operational excellence. Whether you require flexible packaging for fine powders or bulky chips, our custom-developed solutions provide the security and efficiency your global supply chain demands.

### APPLICATION

- Chemical & Solvent Packaging
- Pharmaceutical & API Manufacturing
- Combustible Dust Environments
- Munitions & Pyrotechnics
- Petrochemical & Lubricants
- Metal Powder Processing



## PNEUMATIC SEMI AUTOMATIC MACHINE WITH CONVEYOR

EEWA developed this versatile vertical type sealing machine for bulk bag sealing. The machine is electrically and pneumatically powered operating in continuous flow with synchronized conveyor belt. It can be used to close bags made of all heat sealable materials. Semi-automatic foot switch operated and impulse type sealing machine, suitable for sealing large bulk bags and for plastics liner sealing. The impulse generator consists of a digital timer system, and all controls are built in separate boxes fitted on the right side of the machine. Seals many types of thermoplastics films / bags like PE, PP, LDPE, HM, HDPE and adjustable temperature control to seal films of different thickness.

### SALIENT FEATURES

- Pneumatically controlled semi-automatic operation
- Horizontal jaw movement
- Seals materials up to 40" wide
- Provision of height adjustment
- Seal width is 2 mm- 3 mm- 5 mm- 8 mm
- Two Parallel seals on request
- Consist with digital timer, temperature and pressure indicator as well as voltage ampere indicator.
- Adjustable sealing parameters, jaw pressure, temperature, voltage, heat impulse time & cooling time.



## VACUUM & REDUCTION TECHNOLOGY: PRECISION SEALING & STORAGE OPTIMIZATION

Our advanced Vacuum-Volume Reduction series represents the pinnacle of industrial packaging efficiency. By integrating high-performance impulse heat sealing with atmospheric control, these machines allow you to significantly reduce package volume while ensuring a superior, airtight bond. This technology is designed for industries where space optimization, product preservation, and structural integrity are paramount. Whether you are handling textiles, electronics, or bulk industrial components, our machinery provides a versatile solution tailored to your production needs.

### Dual-Operational Versatility

Our systems offer two primary operating modes to provide maximum flexibility for your workflow:

- Impulse Heat Sealing Only: Delivers rapid, high-strength seals for standard packaging requirements without atmospheric extraction.
- Vacuum + Impulse Heat Sealing: Extracts air to attain complete vacuum for the product before sealing, protecting the contents from oxidation/moisture and drastically reducing shipping and storage footprints.
- Volume reduction + Impulse Heat Sealing: Extracts air to collapse the volume of the package before sealing, protecting the contents from bursting. Some products would not work with complete vacuum where this can be an advantage to avoid lumps in the package where content have limited room.

### Intelligent Control & Security

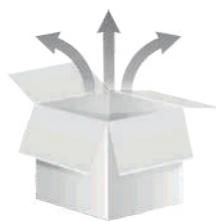
To ensure consistency and protect your critical product parameters, our machines feature a sophisticated computer interface with a Three-Level Access System:

1. Admin Level: Full system configuration, calibration, and global parameter control.
2. Supervisor Level: Ability to modify specific recipes and monitor production shifts.
3. User Level: Simplified interface for day-to-day operation, ensuring safety and preventing accidental setting changes.

### Robust Construction & Customization

Built to withstand rigorous industrial environments, our machinery is available in two high-grade finishes:

- Mild Steel: Finished with premium industrial coatings for durability in standard warehouse environments.
- Stainless Steel: Ideal for clean room or high-hygiene applications requiring frequent sanitization and corrosion resistance.



## Modified Atmospheric Packaging (MAP)

In today's competitive market, product quality is measured by freshness. Modified Atmosphere Packaging (MAP) is an advanced preservation technology that replaces the standard atmospheric air inside a package with a protective gas mixture. By precisely controlling the internal environment, MAP significantly slows down the natural aging process, prevents oxidation, and inhibits the growth of spoilage organisms - all without the use of chemical additives.

Our MAP-integrated sealing systems utilize a high-precision Vacuum & Gas Flush cycle to ensure peak product freshness. Before the final hermetic seal is applied via our impulse or continuous heating technology, the machine first extracts the oxygen-rich ambient air that causes spoilage and replaces it with a customized injection of food - grade Nitrogen, Carbon Dioxide, and/or Oxygen. This process concludes by sealing the product instantly, effectively "locking in" the ideal atmosphere for long-term stability and extended shelf life.

## Adaptation to the Technology

Our advanced Bulk Heat Sealing systems feature integrated Pre-seal Atmospheric Control (PAC) to meticulously calibrate critical parameters, including Relative Humidity (RH) levels, Ambient Air Normalization, and Inert Gas Purge concentrations. By stabilizing these variables immediately before the thermal bond, the machinery protects sensitive Bulk Drugs (API), Nutraceuticals, and Food products from moisture-induced degradation or clumping. This precise environmental conditioning ensures a perfect, contamination-free seal while maintaining the chemical and physical integrity of hygroscopic materials. The result is a high-performance packaging solution that guarantees extended shelf life and compliance with the most rigorous industrial safety standards.

## Cycles Can Be Set On the Machine.

- Heat Sealing
- Vacuum & Heat Sealing
- Gas Purging & Heat Sealing
- Vacuum , Gas Purging & Heat sealing
- Gas Purging, Vacuum & Heat Sealing
- Vacuum, Gas Purging , Vacuum & Heat Sealing.

## Advanced Controlled Machines.

To satisfy high end /Advanced Applications Like API, Bulk drugs, Nutraceuticals Etc., our machines are designed with Data Fetching through CSV files which includes following:

- Date & Time of Packing
- Employee ID
- Pre sealing Parameters like
  - Humidity
  - Temperature ( °C °F)
- Jaw Pressure
- Jaw Temperature Recording
- Vacuum Details
- Gas Purging Details Like Pressure Etc.

## SEALING MACHINE WITH VACUUM SYSTEM

This high-performance sealer utilizes pneumatic power and impulse technology to deliver airtight, high-strength bonds on PE, Poly-Laminated, and Aluminum bags of varying thicknesses. Featuring an integrated vacuum system, it efficiently reduces package volume to optimize storage and protect contents from environmental degradation. The machine is engineered for safety with an interlocked design and includes a height-adjustable platform to accommodate diverse product sizes. Designed for versatility, it offers both vacuum-seal and seal-only modes, ensuring precision and ease for semi-automatic industrial operations.

### SALIENT FEATURES

- Sealing Length: 375 mm to 1100 mm
- Sealing Width: 3 mm to 8 mm in Impulse Sealer and 10 mm to 12 mm in Direct Heat Seal type
- Bag Height: Min. 300 mm to Max. 1000 mm
- PLC Based Operation
- Ergonomic Design
- Two parallel sealing arrangements in impulse sealer
- Power Supply: 110v, 220 V, 440, 3 Phase AC
- User friendly design



## PNEUMATIC SEMI AUTOMATIC SEALING MACHINE WITH VACUUM AND EXPLOSION PROOF

The EEEWA pneumatic semi automatic sealing machine with vacuum and explosion is a specialized solution engineered to safely package hazardous products that are sensitive to minor temperature changes or volatile environments. Built to comply with rigorous safety standards (IS/IEC 60079-1:2007), this machine features flameproof panels designed to prevent ignition in Zone 1 and 2 hazardous areas. Its airtight impulse sealing technology not only ensures high-strength seals for bulk packaging but also prevents product contamination, making it ideal for the pharmaceutical and chemical industries. The compact, space-saving design allows for seamless integration into production lines, while its precision heat control protects temperature-sensitive materials from thermal degradation. Whether handling flammable solvents or combustible powders, this machine delivers the ultimate balance of safety, hygiene, and industrial efficiency.



DRUM RELATED WITH MOBILITY



EXPLOSION PROOF

## SEALING MACHINE WITH NITROGEN GAS PURGING

This high-performance industrial sealer combines impulse technology with pneumatic precision to provide a versatile solution for advanced packaging requirements. Engineered for consistency and durability, this machine delivers high-pressure, airtight seals across a vast spectrum of materials, from standard PE films of varying thicknesses to complex poly-laminated and heavy-duty aluminum barrier bags.

### SALIENT FEATURES

- Sealing Length: 375 mm to 1100 mm
- Sealing Width: 3 mm to 8 mm in Impulse Sealer and 10 mm to 12 mm
- Bag Height: Min. 300 mm to Max. 1000 mm
- Adjustable Platform
- Digital Timers
- Ergonomic design
- Power Supply: 110v, 220 V, 440, 3 Phase AC
- User friendly design



## PSA VM VACUUM WITH NITROGEN

Achieve globally competitive shelf-life extension with EEWAA's precision Sealing System, engineered for optimal Modified Atmosphere Packaging (MAP). This machine utilizes state-of-the-art, pneumatically controlled Impulse Heat-Sealing standards, guaranteeing absolute, reliable seal integrity for critical products. Built to the highest manufacturing standards, we specialize in serving the stringent Pharma and Nutraceutical industries with unwavering quality. We ensure rapid compliance and validation readiness by providing comprehensive Design Qualification (DQ), Installation Qualification (IQ), and Performance Qualification (PQ) documentation. Our integrated Vacuum and Nitrogen Gas Purging System efficiently minimizes residual oxygen, preserving product potency, flavor, and freshness with unmatched consistency.

### SALIENT FEATURES

- Sealing Length: 375 mm to 1100 mm
- Sealing Width: 3 mm to 8 mm
- Bag Height: Min. 300 mm to Max. 1000 mm
- Adjustable Platform
- PLC Based Operation
- Ergonomic Design
- Digital Counter
- Power Supply: 110v, 220 V, 440, 3 Phase AC
- User friendly design

## PNEUMATIC SEMI AUTOMATIC SEALING MACHINE WITH VACUUM, NITROGEN AND EXPLOSION PROOF



EEWA's globally competitive Sealing Machine with Vacuum Nitrogen Gas Purging System is the definitive solution for superior product longevity via precision Modified Atmosphere Packaging (MAP). Engineered to meet stringent Impulse Heat-Sealing standards, it delivers consistently robust, hermetic seals for sensitive materials. Prioritizing maximum operational safety, the system is designed and manufactured in compliance with stringent Atex and Explosion Proof Sealing standards for hazardous environments. We guarantee unparalleled quality and compliance for the Pharmaceutical and Nutraceutical sectors by providing comprehensive validation documentation including Design Qualification (DQ), Installation Qualification (IQ), and Operational Qualification (PQ). Choose Eewa for validated performance, uncompromising safety, and world-class reliability in your critical packaging applications

### SALIENT FEATURES

- Sealing Length: 375 mm to 1100 mm
- Sealing Width: 3 mm to 8 mm
- Bag Height: Min. 300 mm to Max. 1000 mm
- PLC Based Operation
- Ergonomic Design
- Digital Counter
- Power Supply: 110v, 220 V,  
440, 3 Phase AC
- User friendly design



## LABORATORY IMPULSE HEAT SEALING SYSTEM

Laboratory Impulse Heat Sealing is the high-precision version of the standard "bag sealers" you might see in retail stores. While the basic mechanism is similar, the technology inside a laboratory unit is radically different to ensure scientific accuracy.

This technology is primarily used for thermoplastic films (like Polyethylene/PE and Polypropylene/PP) that are difficult to seal because they melt easily and lose strength while hot.

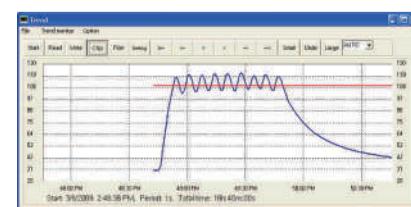
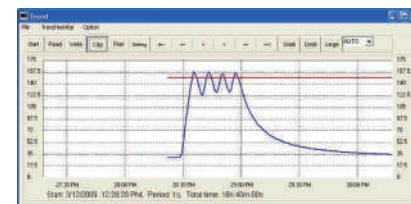
### LABORATORY TYPE HEAT SEALER MODEL: LAB 600 (ASTM F2029)

The 600 LAB Model thermal impulse heat sealer is a fully instrumented device for analyzing the heat-sealing properties of all films, foams, fabrics, it is pneumatically powered and electrically operated machine. Panel instruments accurately indicate jaw temperature and pressure heat and dwell times and heater element voltage and current. All controls are located behind the sealing jaws within easy reach and are designed for quick adjustment, enabling the operator to conveniently develop the best formula for sealing any thermoplastic material.

The 600 LAB is designed as a versatile laboratory instrument for use by film manufacturers, package engineering department and other laboratories or agencies who involved in the development of heat sealing specifications for various types of flexible thermoplastic materials. This machine also suitable for sample making & pilot production runs.

### SALIENT FEATURES

- Available in pneumatically powered semi or fully automatic system
- Both impulse and direct heat controls
- Adjustable sealing parameters
- 600 mm length sealing jaws
- Interchangeable continuous heated sealing jaw + impulse heating electrode
- Analysing the sealability of any type of thermoplastic material including very thick or thin and high temperature materials such as LDPE, LLDPE, HDPE, PVC, PP, BOPP, Nylon, HMHDPE and also Laminated films such as aluminium poly, polyester poly, BOPP poly etc. and more over multilayer film also.
- Consist with electronic dwell timer, temperature and pressure indicator as well as voltage ampere indicator
- Adjustable sealing parameters: jaw pressure, temperature, voltage heat impulse time & cooling time
- Heating jaws are available in plain, serrated and lining design impression
- Impulse heating electrodes available from 1 mm to 5 mm width and in round shape
- Water cooling system



## SPECIAL PURPOSE BAG SEALING MACHINERY

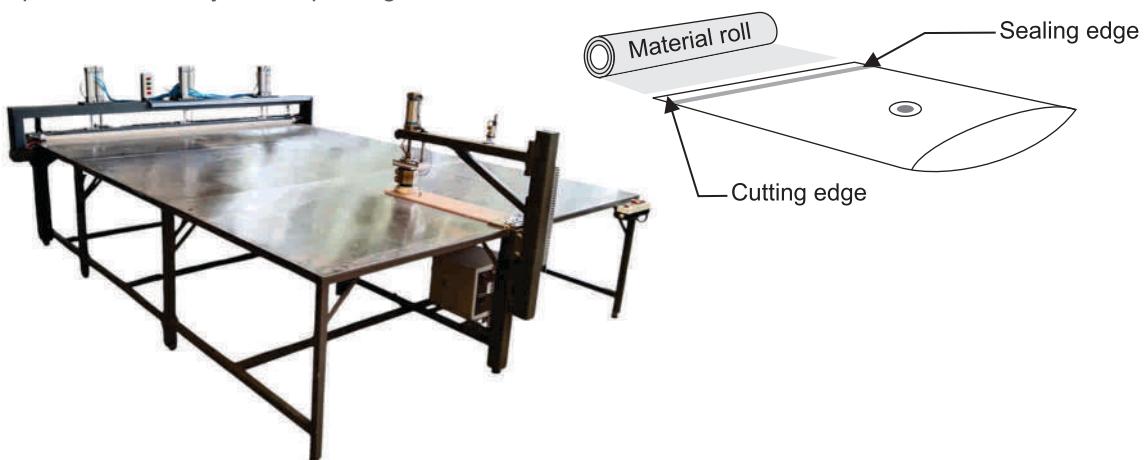
### PNEUMATIC SEMI AUTOMATED SEALING AND CUTTING DUAL SYSTEM MACHINE

Experience industrial-grade precision with our Pneumatically Pressed Heavy-Duty Impulse Heat Sealer, engineered to deliver flawless 4000mm long seals in a single cycle. Designed to handle robust heat-sealable materials up to 250 microns in thickness, this machine combines powerful pneumatic pressure with a high-performance flying knife cutter to ensure clean, precise cuts and maximum production efficiency. Its heavy-duty construction guarantees durability for high-volume workloads, making it the ultimate solution for large-scale packaging needs. Ideal for those seeking reliability and speed, this machine streamlines your workflow while maintaining the highest standards of seal integrity. Consistent, powerful, and easy to operate, it is the perfect addition to any professional manufacturing setup.



### PNEUMATIC SEMI AUTOMATED SEALING AND ROUND CUTTING DUAL SYSTEM MACHINE

Unleash unparalleled versatility in packaging with our Dual-System Heat Sealing Solution. This integrated system features two distinct machines working in tandem to produce high-quality, customized bags from monolayer or multilayer films. The first unit employs a precise Impulse Heat-Sealing mechanism, incorporating a cutting and sealing function to expertly form and close the bag's bottom section. The second, specialized machine utilizes a robust Hot Bar type heater fitted assembly for the secure attachment and sealing of valves, spouts, or custom fitments onto the plastic film. Both machines are engineered for independent operation, allowing for individually programmed heat seal parameters to guarantee optimal sealing integrity for different materials and accessories. This powerful combination is specifically designed to meet demanding applications, such as the production of jumbo bags with various integrated accessories, offering supreme flexibility, reliability, and precision in every sealed package.



## BOX LINER BAGS SEALER (K TYPE)

Block Bottom Bags Sealer is a specialized solution engineered to produce high-performance, leak-proof cross-corner seal bags with unmatched structural integrity. By applying a proprietary 45-degree reinforcement seal across all four gusset panels, the machine eliminates the common "pocketing" issue where powders or liquids typically escape. This unique process pinches the corners closed to create a hermetically sealed, rigid square base that ensures 100% containment for even the finest particulates. Beyond its superior sealing capabilities, the machine features servo-driven cycles for high-speed throughput and works seamlessly with diverse materials like laminates and eco-friendly films. The result is a premium, stand-up package that maintains its shape on retail shelves while providing a secure, professional barrier for your product.

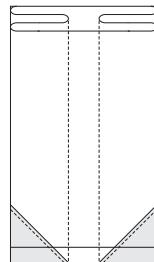
## SEMI AUTOMATIC

The pneumatically powered platen press sealers make contour shaped seals and trim seals. Each Machine is custom designed to meet the heat sealing and handling requirements of the special packing or fabricating applications. Contour shaped seals can be either open or closed geometric patterns such as circles, rectangles, U, K & L shapes, or irregular Curves. Most thermoplastic films, foams and laminates can be contour sealed with the same quality air tight, water tight weld as can be made with the flat ribbon straight line sealers.



## SALIENT FEATURES

- Pneumatically Pressed
- Electrically Operated
- Can be work 24 x7 Non-Stop
- Impulse type Heat Sealing System



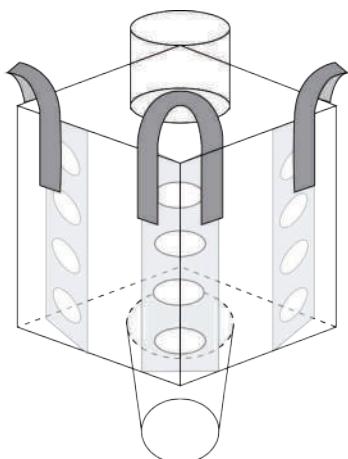
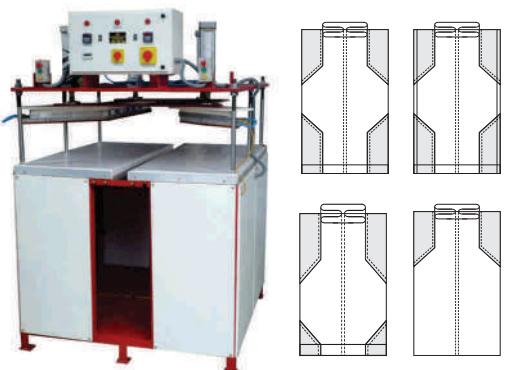
## AUTOMATIC

Our high-performance Impulse Sealing Machine is the definitive solution for manufacturing premium Block Bottom Bags, combining structural strength with a professional retail appearance. Engineered to process PE material from layflat or gusseted tubing rolls, the machine utilizes a precision pulling mechanism to ensure consistent material feed and perfectly aligned liners. The core of this system is its advanced Impulse Heat technology, which delivers heavy-duty 8mm seals through both upper and lower jaws for maximum durability. A standout feature is the specialized "K-Type" sealing capability, allowing users to customize K-shape dimensions to create the sturdy, stand-up base that consumers prefer. For a seamless production cycle, the machine incorporates an integrated flying knife system that provides clean, high-speed separation for every bag. This robust engineering ensures that your packaging is not only leak-proof and airtight but also aesthetically superior for the modern marketplace. Reflecting the trusted quality of Eewa Engineering, this machine is the ideal choice for high-efficiency, professional-grade bag production.

## HEAVY DUTY BAG PACKING MACHINERY

### FIBC LINER SEALER

Our High-Performance FIBC Liner Sealing Machine represents the pinnacle of industrial efficiency, specifically engineered to meet the stringent demands of the bulk packaging sector. By integrating advanced thermal-bonding technology with precision PLC controls, this system ensures high-integrity, leak-proof seals that are essential for the safe transport of fine powders and moisture-sensitive materials. Designed for high-volume manufacturing, the machine offers unparalleled versatility in handling various film thicknesses and complex liner geometries—such as bottle-neck and gusseted designs—while significantly reducing material waste and operational downtime. Investing in this technology empowers your production line with the reliability and speed necessary to deliver world-class, sift-proof FIBC solutions to the most demanding global markets.

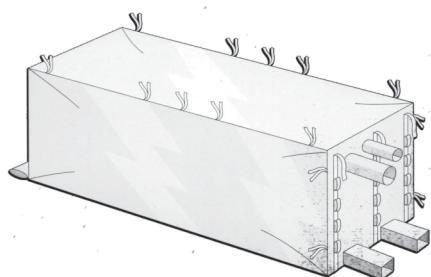
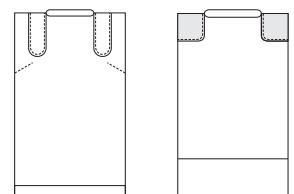


### BAFFLE BAGS

Our Baffle Liner (Q-Bag) Manufacturing System is a sophisticated engineering solution designed to produce form-stable containers that maximize logistical efficiency and structural integrity. By employing high-precision internal panel welding and reinforced seam technology, this machine enables the production of liners that maintain a strict cubic profile, preventing the "bellying" effect common in standard bulk bags. This precision ensures that the internal baffles allow for an even distribution of material while providing the necessary tension to optimize stackability and warehouse utilization. For manufacturers looking to serve high-end markets—such as the food-grade and fine-chemical industries—this machine offers the perfect balance of high-speed automation and the meticulous sealing accuracy required to produce superior, space-saving packaging solutions.

### U SHAPE LINER BAG

Our U-Shape & Suspended Liner Sealing System provides the technical precision required for the specialized 1-Loop and 2-Loop FIBC markets. By utilizing advanced 'U+L' sealing technology, our machines produce form-fitting liners that integrate seamlessly with the outer bag's architecture, eliminating the common issues of material entrapment and liner displacement. This machine is engineered to deliver high-strength, hermetic seals on various PE thicknesses, ensuring that even the most volatile or moisture-sensitive bulk goods remain protected. For manufacturers looking to diversify their product line into high-demand industrial sectors, our U-shape sealing solution offers the perfect blend of specialized geometry and high-speed production reliability.



### CONTAINER LINER SEALER

Dry bulk container liners, also known as shipping, sea bulk or sea land container liners, are manufactured using a variety of materials including polyethylene or polypropylene. Dry bulk container liners come in both woven fabric and blown film varieties. Woven PE or PP dry bulk container liners come in either coated or non-coated fabric, depending upon the application. Blown film cargo liners are made from virgin polyethylene resin, and even though they have been replaced by less expensive woven liners in most applications, they continue to be used for moisture-sensitive applications.

## ROUND BOTTOM BAG SEALER

Machine is used to seal round bottom bags. It creates the bags in perfect roundness with precise diameter. Punching facility is given as a part of an assembly where precuts of round bottom films are cut.

Two welding stations weld the sheets like PP, LDPE, HM, EVA and so forth. It seals and executes ready bags. There are two stations involved. While one station is loaded with bags to be sealer, other station is in sealing mode. Once a process is done, station rolls back to its original position.

### SALIENT FEATURES

- Pneumatically Pressed
- Qaelectrically Opearated
- Can be work 24 x7 Non Stop
- Impulse type Heat Sealing System



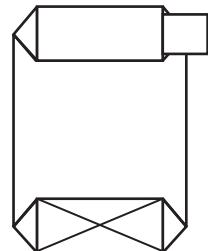
## VALVE TYPE BAG SEALER



This specialized Valve Type Bag Making Machine system is engineered for the high-volume, automated production of PE Valve Type Block Bottom Bags, utilizing thermoplastic heat-sealing technology. The complete machinery set typically includes a pneumatically powered Blanking Machine for precision cutting of plastic tubing (LDPE, HDPE, EVA), along with dedicated units for Top and Bottom Sealing and Valve Fixing. It is available in standard and customised models to match varying production requirements. This integrated, multi-stage process ensures that all eight corners of the bag are perfectly formed and sealed, providing a highly reliable and durable packaging solution.

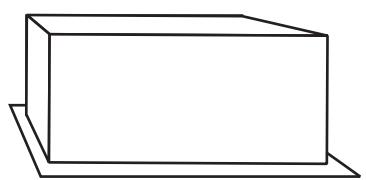
### SALIENT FEATURES

- Can seal bottom & top sealing as explained
- Pneumatic process including air cylinder, sol. valve, FRLG etc. with accessories & piping suitable
- Automation panel MCB, SSR etc.
- Heater + thermocouple RTD PT100 sensor
- Can be work 24 x7 non stop



## SQUARE BOTTOM BAG SEALER

Square Bottom Bag Sealer revolutionizes industrial packaging by creating custom, three-dimensional "box bags" that provide a snug, professional fit for items ranging from small books to large dining tables. By engineering a true gusseted base, this machine eliminates the wasteful "dog-ear" corners and excess film common in traditional flat bags, reducing material usage by up to 20%. Its advanced thermal technology produces reinforced, water-resistant seams, ensuring high-strength protection for electronics, furniture, or heavy machinery during transit. With an intuitive interface for infinite scalability, operators can switch dimensions in seconds to accommodate various product sizes. This versatile system is compatible with everything from heavy-duty LDPE to eco-friendly compostable films, making it the ultimate solution for efficient, high-quality protective packaging.





## CUSTOMIZED HEAT SEALING MACHINERY

### PORTABLE HANDY SEALER

This portable hand held impulse sealer is ruggedly constructed and it is light weight, designed to packaging and fabricating applications where the sealing jaws must be brought to the work. Impulse heated portable hand sealer for packing / closing of film bags and sacks, air tight transport and sea packing, packing of bulky machinery, control cabinets, measuring units, various small items etc. Machine is built up with impulse heated sealing bar and separate power supply unit (Impulse generator)



### SALIENT FEATURES

- Manual hand press type
- Adjustable sealing time for the different films
- Heating Element of 3 mm or 5 mm wide
- Heating Element available in both Upper & Lower Jaws
- Sealing Device of 9", 12", 15" & 18" size

### AGRONET SEALING MACHINE

This heat-sealing machine precisely joins polyethylene plastic films, creating a strong, uniform seam for Raschel warp knitting applications in agro shade net production. It uses controlled heat and pressure to melt the film's surfaces, fusing them to ensure high tensile strength and durability against environmental stress. The process is efficient and reliable, delivering continuous, neat seals essential for the net's longevity and performance.

### SALIENT FEATURES

- Electrically operated heavy duty machine consists with
- Pneumatically controlled semi-automatic machine
- Step down transformer
- Digital timer, main switch, pilot light
- Provision of professional elements
- Fix platform in front and back side
- Air cylinders, FRLG unit, solenoid valve
- Foot switch
- Without air compressor
- Can be work 24 x7 non-stop



### PLASTICS FILTER SEALER

The production of the precise nets for transfusion set drip chambers is a highly specialized process relying on three distinct equipment types. The actual standard filtration media, a precise woven net, is created using specialized weaving and fabrication equipment. This high-precision manufacturing is essential for handling medical-grade polymers like PP, PA, or PE to ensure material integrity. Notably, while the initial text mentions a generic specialization, the EEWA does offer a Plastics Filter Sealer for joining plastic filters, suggesting their involvement in the final assembly stage of certain filters. This emphasizes the need for equipment that ensures both the precise weaving of the media and the clean, high-quality sealing of the final component for critical medical use.



## FILM WELDING STATION

EEWA produces lightweight, very versatile handy sealer which does not need a big work area. They are fairly quick to operate. Hand sealers are available in 800mm, 900mm and 1000mm wide ideal for large awkward sealing bags, sacks or pouches. All heat sealers from EEWА are built to the high specification and incorporate an adjustable timer control to suit a wide variety of films from different thickness

## DISPOSABLE PE HAND GLOVES MAKING MACHINE

In the disposable hand glove making machine range, EEWА produces pneumatically powered Machine for high production. Roll Guide is provided on the back side of the sealing jaw for the insertion of film roll. This will enable the operator for easy movement of film on the sealing jaw



## PILLOW PRESS AND SEALER

The machine is used for the bailing fluffy products like pillow core, quilt and mattress. It can reduce both the size of package and transportation charges, make the product damp proof, dust- proof and easy to carry about. Put a pillow core into a plastic film bag. Put the bag into the baling press. Then step down the foot switch. The pressing plate will automatically press the pillow core flat and automatically seal the bag by heat. When the sealing line cools down, loosen the step switch. When the press plate rises up, take out the pillow core. Thus one operational cycle is finished

## KNITTED FABRIC SEALING MACHINE

EEWA's Knitted Fabric Sealing Machine offers the global Polymer Scrims industry a revolutionary solution for seamless roll joining. Utilizing advanced heat-impulse technology, it eliminates traditional yarn-based stitching, preventing bulgy, uneven joints and ensuring a smooth, continuous finish. This proprietary sealing process delivers superior, high-strength scrims, perfectly primed for lamination with Artificial Leather, Polymer Foam, or Upholstery Fabrics. Engineered for high-volume production, these robust machines are fully customized to meet your unique application and integration requirements.





## TAB WELDER

This device with control Panel designed on the principal of Impulse heat sealing system.

### APPLICATION

- Stiffness Creation in plastics fabrication
- Widely used in bulk bags liner, jumbo bags liner, form fit liner and container liner

## DISC WELDER

This device with control Panel designed on the principal of Impulse heat sealing system.

### APPLICATION

- To Seal Disc (boshes) of bulk container liner
- Widely used in bulk bags liner, jumbo bags liner, form fit liner, container liner and other such type of such applications



## RETORT TYPE POUCH SEALING MACHINE

This semi-automatic impulse sealer is engineered to create hermetic, high-strength seals essential for demanding applications like retort pouches and medical sachets. It uses a precise thermal impulse system to fuse multi-layer films, ensuring absolute seal integrity to maximize product shelf life. Featuring adjustable temperature, pressure, and dwell time, this machine guarantees consistent and reliable performance for critical flexible packaging.

### SALIENT FEATURES

- Ergonomic Design
- Designed to seal retort type food package pouch / sachets
- Sealing width : 3 to 10 mm
- Sealing length : 300 mm to 400 mm

### INDUSTRY STANDARDS

ASTM F88/F88M

ASTM F2029

BIS IS 14214:2020

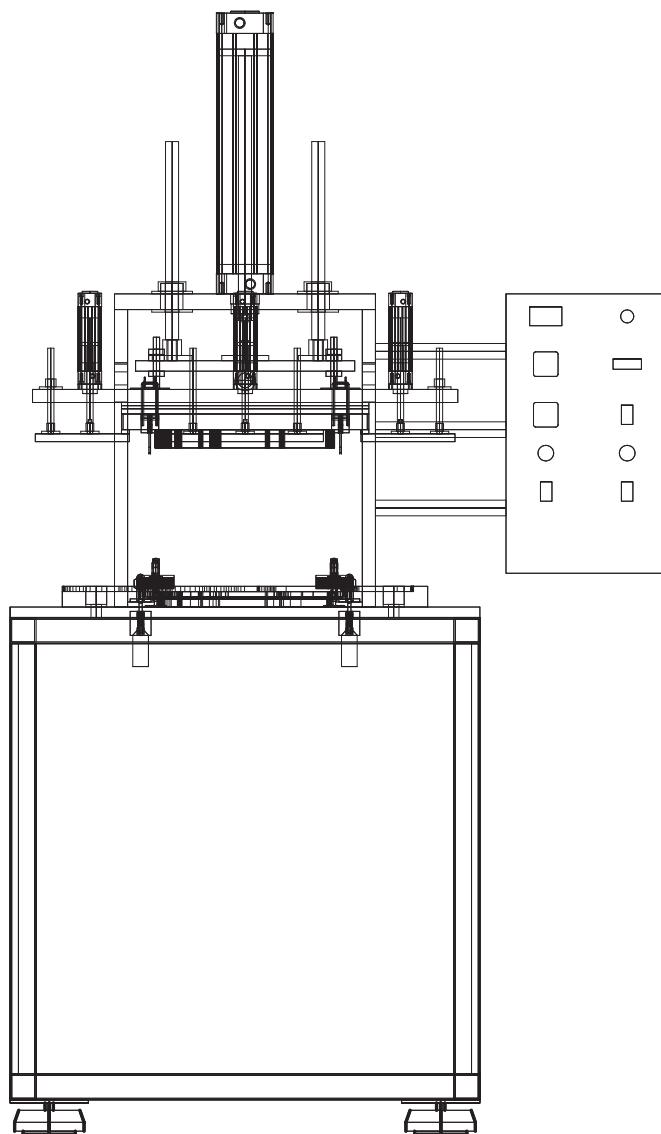
BIS IS 4905:2015



## HOT BAR TECHNOLOGY

Direct Contact Thermal Sealing, often referred to as "Constant Heat" or "Hot Bar" sealing, is a robust method used to create strong, hermetic seals on thick or multilayer packaging materials. Unlike impulse systems that cycle on and off, this technology maintains the sealing tooling at a precise, continuous temperature, relying on thermal conduction to transfer heat through the material layers.

The fundamental principle of this technology is direct thermal conduction. One or more sealing members are heated to a pre-set temperature and maintained their via a thermostat or temperature controller. When the machine engages, these hot surfaces physically contact the material, driving heat through the outer layers to the inner sealant interface. This constant energy source allows for rapid penetration of thick laminates that would otherwise act as heat sinks.



## RETAIL PACKAGING MACHINERY

This portable handheld hot bar type sealer is ruggedly constructed, and it is light weight, designed to packaging and fabricating applications where the sealing jaws must be brought to work. Impulse heated portable hand sealer for packing / closing of film bags and sacks, airtight transport and sea packing, packing of bulky machinery, control cabinets, measuring units, various small items etc. Machine is built up with hot bar heated sealing bar and separate power supply unit

### SALIENT FEATURES

- Manual hand press type
- Digital temperature controller for adjust temperature
- Heat sealing jaw 10mm wide
- Sealing Device of 9", 12", 15" & 18" size



## DIRECT HEAT SEALER



This manual foot pedal direct heat sealer is to seal bags made of heat sealable films and materials like cellophane, coated paper, Polyester Poly, Aluminium foils, Laminates etc. Selected sealing jaws of Plain, Corrugation, and Diamond design with 10 mm or 12 mm width are available. Accurate temperature controller provided for maintaining temperature in sealing bar.

### SALIENT FEATURES

- Manual foot pedal press operation
- Heat sealable film / bag of poly laminated, aluminium foil and any poly coated
- Seal length available in 15" to 20" size
- Seal width 10 mm to 12 mm
- Provision of upper and lower jaw heating element



## LIGHT DUTY DIRECT HEAT SEALER

The Light duty direct heat sealer is a high-performance, semi-automatic direct heat sealer engineered with advanced hot bar technology for superior packaging results. Designed to handle both laminated and flexible foils, this pneumatic-pressed machine features a convenient foot switch operation that ensures consistent, leakproof seals with exceptional strength. It is equipped with accurate digital controllers for upper and lower jaws, allowing operators to set optimal parameters for pressure, time, and temperature to suit various material thicknesses. Built for durability and precision, the series includes high-quality pneumatic components such as air cylinders and filters, making it a preferred choice for retail goods requiring high-integrity, water-tight seals. This machine provides a reliable and efficient solution for small to medium-scale production needs.

### SALIENT FEATURES

- Pneumatically controlled semi-automatic operated
- Seals aluminum foil and any poly laminated film pouches quickly and efficiently.
- Seals materials up to 40" wide
- Seal width is 10 mm- 12 mm
- Hot bars available in plain, serrated type, lining design
- Heat controlled by the accurate digital temperature controller

## FULLY AUTOMATIC DIRECT HEAT SEALER

EEWA produces fully-automatic direct heat Sealer designed for packaging applications, small quantity and occasional sealing applications. Accurate temperature controller controls, sealing temperature of upper & lower jaws for strong, attractive water tight seal. These machines seal all types of laminated films in wide variety of thickness and are also suitable for making empty pouches.



### SALIENT FEATURES

- Pneumatically controlled fully automatic machine
- Seals aluminum foil and any poly laminated film pouches quickly and efficiently
- Seals materials up to 40" wide (model dependent)
- Seal width is 10 mm- 12 mm
- Hot bars available in plain, serrated type, lining design
- Heat controlled by the accurate digital temperature controller

## LONG LENGTH HEAVY DUTY SEALING MACHINE (INDUSTRIAL APPLICATION)

The EEWAA Pneumatical Direct Heat Sealer Machine is engineered to demanding global standards, utilizing the high-precision Hot Bar type heat sealing system principle. This heavy-duty, semi-automatic unit provides a significant competitive advantage, consistently delivering a strong, attractive, and water-tight seal across all complex laminated films. Precision is ensured through an accurate digital temperature control system and robust pneumatic components. As a technology-driven leader for decades, EEWAA guarantees the ultimate in sealing efficiency, material versatility, and enduring performance for critical applications worldwide, making it the preferred choice for those who need a globally competitive solution.

### SALIENT FEATURES

- Sealing Device of 60" & 240" size
- Pneumatically controlled semi-automatic operated
- Seals aluminium foil and any poly laminated film pouches quickly and efficiently
- Seals materials up to 240" wide (model dependent)
- Seal width is 8mm, 10 mm
- Heat controlled by the accurate digital temperature controller



## SEMI AUTOMATIC DIRECT HEAT SEALER - SQUARE / ROUND / TRIANGLE

EEWA Engineering introduces its advanced range of hot bar heat sealing machines, engineered to define global standards in sealing technology. Designed with a robust, differently fabricated structure, these machines utilize a precise hot bar principle to deliver hermetic, aesthetic, and high-strength seals for diverse industrial applications. Offering unmatched versatility, our systems are fully customizable to seal complex profiles including Square, Rectangular, Triangular, and Round shapes, as well as specialized spout sealing. Built for reliability and performance, EEWAA ensures your packaging meets the rigorous demands of the international market.



Square



Round



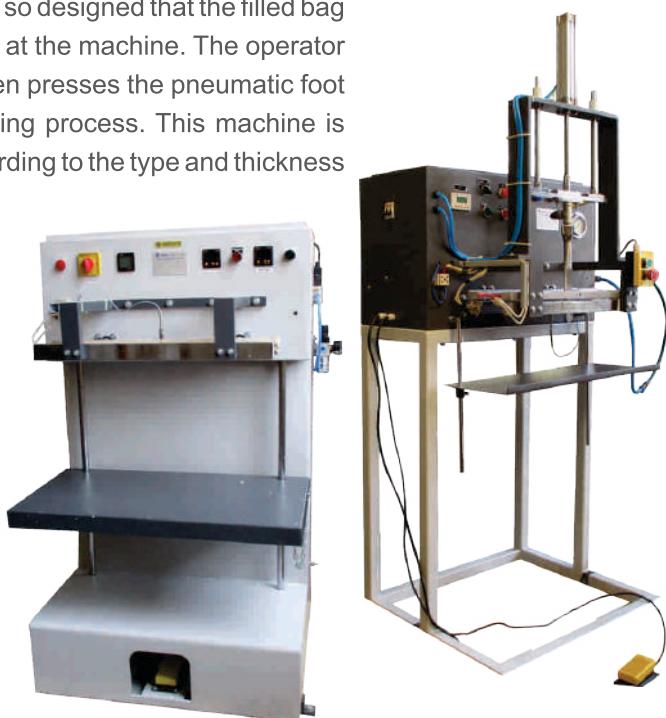
Triangle

## SEMI AUTOMATIC VERTICAL MOUNTED BAG DIRECT HEAT SEALER

EEWA produces vertically mounted sealers and trim sealers are so designed that the filled bag is moved under the sealing jaws by hand or conveyor standing at the machine. The operator pulls open the end of the bag between the sealing jaws and then presses the pneumatic foot switch of the machine. It will close the jaw and start the sealing process. This machine is designed for bulk bag sealing. The production speeds vary according to the type and thickness of the sealing bag and also the operator's skill.

### SALIENT FEATURES

- Pneumatically controlled semi-automatic operation
- Horizontal jaw movement
- Seals aluminum foil and any poly laminated film pouches quickly and efficiently.
- Seals materials up to 40" wide (model dependent).
- Seal width is 10 mm- 12 mm
- Heat controlled by the accurate digital temperature controller



## LABORATORY HOT BAR HEAT SEALING SYSTEM

Laboratory Hot Bar Heat Sealing is the high-precision version of the standard "bag sealers" you might see in retail stores. While the basic mechanism is similar, the technology inside a laboratory unit is radically different to ensure scientific accuracy. This technology is primarily used for thermoplastic films (like Polyethylene/PE and Polypropylene/PP) that are difficult to seal because they melt easily and lose strength while hot.

### LABORATORY TYPE HEAT SEALER MODEL: LAB 150

This LAB 150 Model is designed as a versatile Laboratory Instrument for use by film manufacturers, package engineering department and other laboratories or agencies who involved in the development of heat-sealing specifications for various types of flexible thermoplastic materials.

#### SALIENT FEATURES

- Pneumatically controlled and semi-automatic + manual operation type
- Table mounting model
- Direct heat-sealing machine suitable for to seal any type of thermoplastic laminated materials like combination of PET, Poly, Foil, CPP etc. of any thickness and multilayer laminates of 2 layers to 11 layers
- The jaw length of the Machine is 150 mm, and width is of 5 mm or 10 mm or 12 mm, M.S. Chrome plated jaw of continuous sealing in both upper and lower jaws in plain or corrugated or diamond design
- Digital temperature Indicating controller of 0 to 300 degree centigrade with PID Control facility with an accuracy of +/- 1 °C
- Digital timer for heating & cooling
- FRLG Pressure of 0 to 75 PSI
- Jaw with special coated
- Foot pedal switch
- Mild steel or stainless-steel fabricated structure painted with double epoxy powder coated paint



## CONTINUOUS BELT SEALER

EEWA produces continuous belt sealer for seal bags, pouches with greater speed and output. This type of sealers are ideal for sealing plastic bags of virtually any size and length. The built in adjustable speed conveyor belt carries the loaded bag through the sealer. The bags lay flat on the conveyor with the horizontal models.

With vertical band sealers, bags are sealed in a "standing position" which is ideal for packaging bags containing spillable items. The PTFE Non Stick sealing bands, drive belts and conveyor belt are controlled by one motor. When the on-off switch is turned on, the temperature controller begins heating the sealing blocks. The temperature setting and the speed setting will depend on the type and thickness of material being sealed. The bag will pass through the sealing blocks

#### SALIENT FEATURES

- Seal bags, pouches etc. with greater speed and output
- Sturdy and heavy duty construction
- Ideal for round the clock production run
- Can seal all types of bags including heavy duty PE bags and poly laminated pouches
- Different height of bags can be sealed by slight adjustment
- Available in Horizontal or Vertical type sealing



## CAP / LID / TRAY SEALING

### FOIL & CAP SEALER MODEL: PSA

This electrically powered pneumatic sealer seals foils, caps of plastic bottle, jar, container, cup etc. etc. Every pneumatic machine consists with air cylinder, air filter, oil lubricator, solenoid valve. When using this pneumatic sealer, sealing cycle starts while press the foot switch. Air compressor is required for operating this machine



### DRUM SEALER

The hand held heavy duty sealer is designed for sealing foil / lid on plastics drum / barrel where the sealing head must be brought to the work. Machine is built up with heated sealing head and separate power supply unit

#### SALIENT FEATURES

- Manual Hand Press Model
- Sealing Die available in different diameter
- Sealing Die coated with special coating
- Control Unit fitted with Digital Temperature Controller

### TIP SEALER

This high-performance welding system is specifically designed to integrate breathable PTFE membranes into PE or PP plastic components with precision and ease. Engineered for versatility, the machine features a modular welding head with replaceable tips, allowing for seamless transitions between various vent sizes and application requirements. By utilizing advanced thermal bonding technology, it ensures a secure, leak-proof seal that maintains the integrity of the membrane's venting properties. The user-friendly interface and robust construction make it an ideal solution for high-volume production environments requiring consistent quality. Whether you are manufacturing automotive parts, industrial packaging, or electronic enclosures, this equipment provides the technical reliability needed for superior venting performance. Its compact design and adaptable tooling ensure it meets the evolving demands of modern plastic assembly and filtration industries.

#### SALIENT FEATURES

- Digital Temperature Indicating Controller of 0 to 300 °C with PID Control facility with an accuracy of +/- 1-°C
- FRLG Pressure of 0 to 75 PSI
- Foot Pedal Switch
- Fabricated from Mild steel sheet metal structure
- Without Ejection System



## CUSTOMIZED HEAT SEALING MACHINERY

### VISCO SEALER

The sealer is suitable for sealing special type pouch filled with high viscous liquid product. One machine is for sealing one end of filled pouch and another sealer for sealing fitment fitted in the pouch.



### MEDICAL POUCH MAKING MACHINE

Direct Heat Seal type Machine for making empty medical pouch. It can make different shape / size pouch through interchangeable Die, Jigs and Fixtures.

### ROLLER TYPE ONLINE SIDE SEALING MACHINE

In the bag making category, EEWА developed a heavy duty roller type machine for side sealing of both sides of films / sheet which available in continuous roll format. The machine is useful for making industrial bags in medium quantity. Provided both winding and unwinding station and a possibility of width adjustment is also there, so user can manufacture different width bag through this machine.



### SCREEN WELDING MACHINE

EEWA designed and developed special and custom designed machine for welding / sealing plastic film on the surface of cylindrical parts, say screen or similar type product. The machine is pneumatically controlled semi-automatic type with direct heat seal system. The machine is available for various diameter and length product. Sturdy and heavy duty structure capable to operate the machine in round the clock production.



### 'D' HANDLE SEALING MACHINE

The manual foot pedal operated sealer is designed for sealing / fitting 'D' shape handle on carry bag, shopping bag. The Sealing Die which is fitted with electric heater to be designed according to the size of handle. Sturdy and heavy duty structure capable to operate the machine in round the clock production.



## LINER SEALER

EEWA produces liner sealer designed for sealing empty liner bag. The Machine is particularly designed for HDPE Woven sack sealing.

### SALIENT FEATURES

- Pneumatically controlled semi-automatic operated
- Two numbers sealing head for fast production
- Seals HDPE woven sacks, aluminum foil and any poly laminated film bag quickly and efficiently.
- Seal width is 10mm- 12mm
- Heat controlled by the accurate electronic, thermostatic and precision components

## FITMENT / CIRCULAR SHAPE SEALING MACHINE

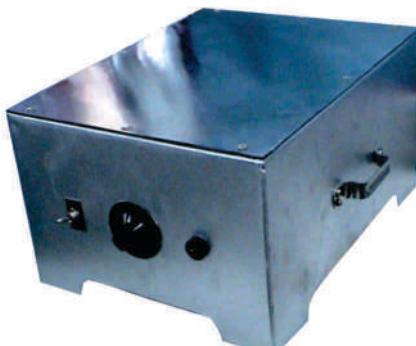
This Hot Bar Shape Sealing Machine is engineered for precision and versatility in specialized packaging applications. Utilizing precise hot bar technology in conjunction with custom dies or moulds, it delivers flawless, leak-proof seals on virtually any complex or non-standard shape. This includes intricate fitments and circular designs, ensuring high-integrity results. It is the ideal solution for demanding industries such as medical pouch sealing, plastic liner bags, and jumbo bag fitments, guaranteeing a consistent and reliable seal every time.

### SALIENT FEATURES

- Suitable for sealing of your bosses
- Table top sealing machine
- Digital temperature indicating controller
- Digital timer & air cylinder
- Sealing die fitted with electric heater
- FRLG unit
- Solenoid valve & foot switch
- Without air compressor
- Can be work 24 x7 non stop

### APPLICATION

- Medical pouch
- Plastics liner bag / jumbo bag



## PLATE SEALER

The portable plate sealer is ideal for sealing round, rectangular, triangular & vertical / horizontal shaped packets. The accurate thermostat spreads the temperature very precisely and evenly over the surface and therefore particular shaped object may be sealed perfectly. The standard type is suitable for poly coated aluminum foil, waxed paper and any heat sealable poly laminated paper

### SALIENT FEATURES

- Temperature controlled by energy regulator
- No moving part

### APPLICATIONS

- Detergent cake & Biscuit
- Surgical and medical products
- Food products

## SEALING MACHINE FOR TECHNICAL MATERIALS

### SPLICING IRON

The Splicing Iron is a professional hand-held electrical heated press engineered for creating durable, seamless joints in PTFE-coated fiberglass cloth. This precision tool uses controlled, uniform heat to effectively fuse FEP or equivalent films, ensuring an exceptionally strong and reliable weld. It is the essential device for quickly and efficiently fabricating high-performance products like endless belts, flexible bellows, and various specialty seals. Achieve high-integrity, production-quality polymer splicing directly in your workshop or field location with this powerful and portable unit.

### SALIENT FEATURES

- Fitted with electric heater
- Separate control unit
- Can be work 24 x7 non-stop



### FLAT BED HIGH-TEMPERATURE WELDING MACHINE

The EEWА flat bed high-temperature welding machine is a unique, custom-engineered solution for the precise joining of PTFE non-stick coated fiberglass cloth utilizing FEP and PFA intervening films. This specialized flat-bed technology is essential for manufacturing superior high-temperature products, including durable endless belts, bellows, and special purpose structures. Designed to client specifications, this machine guarantees an unrivaled high-strength, seamless weld, essential for applications requiring maximum thermal and chemical resistance. It delivers a uniform, repeatable bond across the entire working area, ensuring product integrity and operational longevity in the most demanding industrial environments.

### MULTICOATED FABRIC WELDING MACHINE

This Impulse Type Heat Sealing Machine is designed to seal Coated Technical Fabrics

### ADAPTABLE MATERIALS

- Fiberglass coated Fabrics
- PFA & Tedlar
- Polyurethane

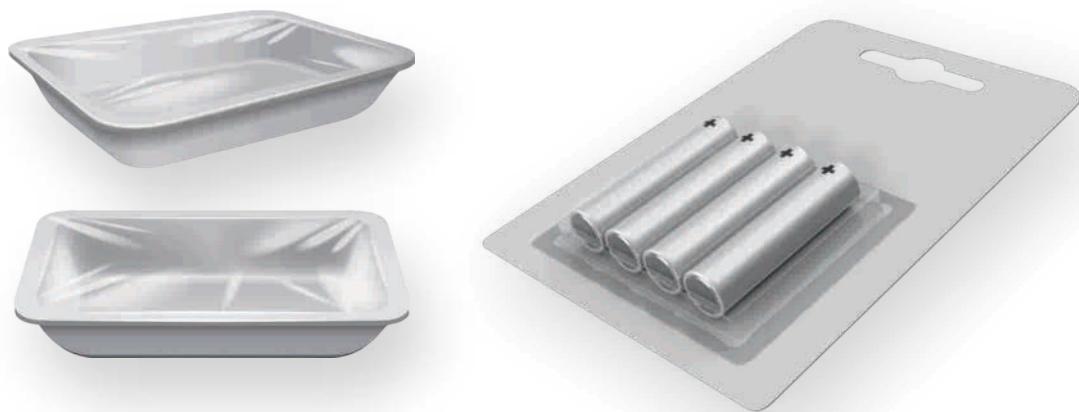
### APPLICATIONS

- Defense Application
- Tent & Geo Membranes
- Roofing & Oil Booms
- Flexible tanks & Protective Apparel
- Inflatable Boats





# PLASTIC PROCESSING MACHINE



# PLASTIC PROCESSING MACHINE

The heat sealing industry is a cornerstone of modern packaging, utilizing the precise application of heat, pressure, and time to fuse thermoplastic materials into secure enclosures. This technology is critical for ensuring product integrity, as it creates airtight and tamper-evident barriers that protect contents from moisture, oxygen, and contaminants. By balancing these variables, the industry supports high-speed production lines across the food, medical, and pharmaceutical sectors, effectively extending shelf life and maintaining sterility.

## 1. THERMOFORMING (STANDARD VACUUM FORMING)

Thermoforming is the process of heating a thermoplastic sheet to its softening point and stretching it over a single-sided mold.

- The Process: The plastic sheet is clamped and heated until pliable. A vacuum is then engaged to suction the sheet against the mold surface. Once cooled, the plastic retains the shape of the mold and is trimmed from the web.
- Applications: Disposable cups, clamshell packaging (berries, bakery items), and simple product trays.

## 2. PRESSURE FORMING

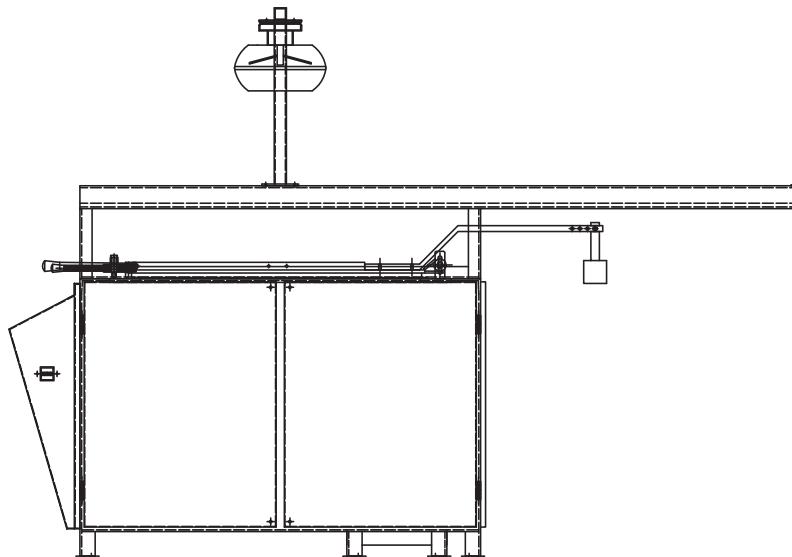
Pressure forming is an advanced variation of thermoforming that produces high-definition parts often indistinguishable from injection molding.

- The Process: Similar to standard thermoforming, the sheet is heated and placed over a mold. However, in addition to the vacuum from below, compressed air (20–100 PSI) is applied from above. This forces the plastic into the mold with much greater intensity.
- Applications: Medical device enclosures, electronic bezels, and complex instrument trays.

## 3. SHRINK WRAPPING

Unlike the forming processes above, shrink wrapping uses a polymer film to tightly conform to an existing product's shape.

- The Process: A product is loosely wrapped in a shrinkable film (typically Polyolefin, PVC, or LDPE). The package then passes through a heat tunnel or is exposed to a heat gun. The thermal energy triggers the film's elastic memory, causing it to contract and tighten around the items.
- Applications: Multi-packs of beverages, software boxes, and safety bands on jar lids.



## VACUUM FORMING

The EEWAA Blister Forming (Vacuum Forming) Machine is a robust and versatile thermoforming system engineered for the efficient, cost-effective production of high-quality plastic packaging. Utilizing the vacuum forming process which applies negative pressure to shape heated plastic sheets over a mold. It is specifically designed for applications including blister forming, skin packing, and manufacturing general trays.

The machine's design emphasizes speed endurance and ease of operation, making it highly adaptable for various production volumes. Supporting a wide range of thermoplastics, the EEWAA machine offers flexible production through both manual and pneumatic operating modes.

### SALIENT FEATURES

- Manual placing of the sheet
- Manual / pneumatic mode of operation
- Unique forming table design to ensure forming with male / female dies of greater depth
- Heat zone control facility provided
- Machine suitable for skin packing, blister forming as well as vacuum forming
- Machine available in wide range of sizes Easy to operate
- Auto cycle / manual mode of operation
- All heavy gauge welded sheet & structure construction.



## BLISTER SEALING MACHINE

EEWA produces Blister Sealing Machine which is designed to seal blister packaging. It is equipped with first-class electrical and pneumatic components. It works in two stages, sealing by heating and by pressing a thermal sealing varnish coated on the cardboard

### SALIENT FEATURES

- Manual placing of the blister, product and card
- Pneumatic mode of operation
- Adjustable height of the sealing head
- Automatic movement of sealing through a pneumatic cylinder when the blister reaches the sealing position
- Sealing time is controlled by digital timer
- Sealing temperature is controlled by digital temperature controller
- Quick change of sealing tool
- First-class electric and pneumatic components





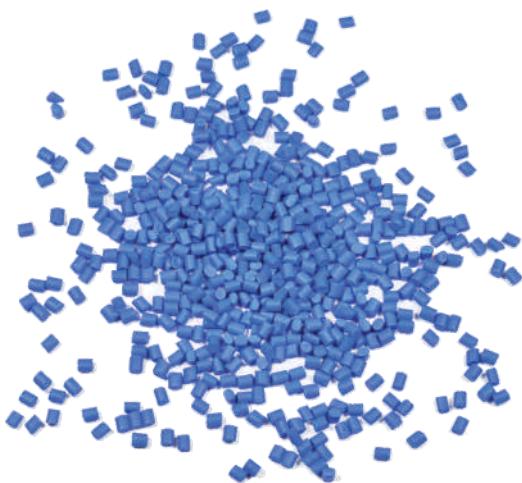
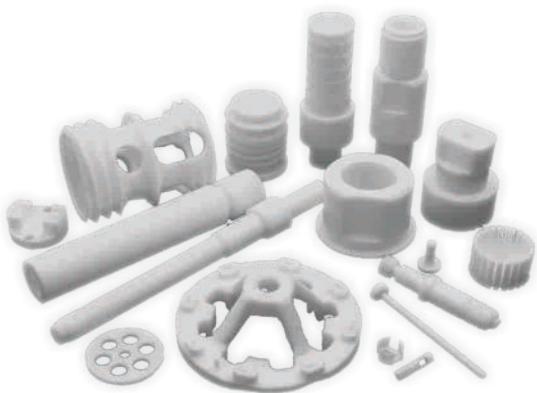
## PLASTIC HOT PLATE WELDING EQUIPMENTS

### WELDING MIRROR

EEWA produces small hand held equipment for joining two length of plastic pipe. or profile. We manufacture best quality mirror that is available from 4" diameter to 24" diameter sizes in round shape and in square shape. This type of mirror can weld plastics pipe or profile of HDPE, LDPE, PP, PVC etc. Mirror welding is not only a quick and simple welding process, but ensures great strength, especially on pipes and profile joins.



# INDUSTRIAL ELECTRICAL HEATING EQUIPMENTS





## INDUSTRIAL ELECTRICAL HEATING EQUIPMENTS

EEWA's heating technologies designs and manufactures standard and custom thermal processing systems with various configurations. It produces wide range of Industrial Electrical Ovens with different temperatures for applications like Curing, Dehydrating, Bonding, Aging, Pre-heating, Sterilization, Fusing, Laminating and many other applications. We serve many industries like plastics, engineering, Electrical, Electronics, Food, Chemical, Pharmaceutical, Surgical, Rubber, Bakelite and many other industries.

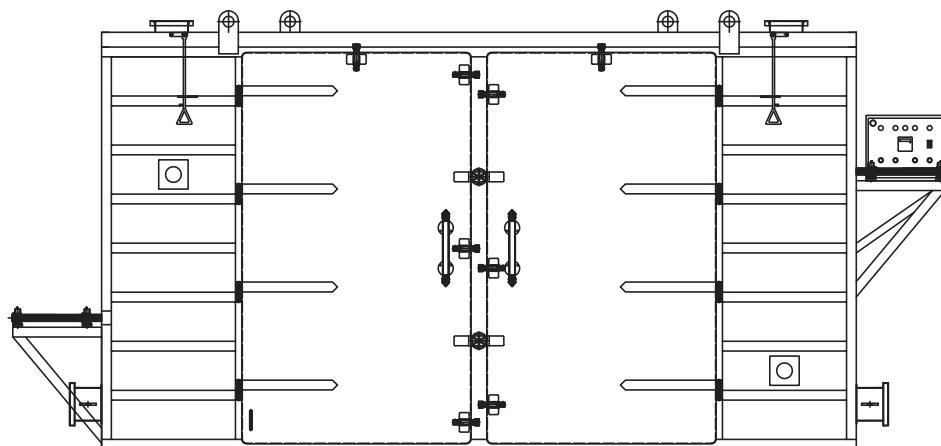
### TYPES OF HEATING

- Hot air ovens are electrical devices used in sterilization. The oven uses dry heat to sterilize articles. Generally, they can be operated from 50 to 400 °C (122 to 572 °F). There is a thermostat / temperature controller for controlling the temperature. These are digitally controlled to maintain the temperature. Their double walled insulation keeps the heat in and conserves energy, the inner layer being a poor conductor and outer layer being metallic. There is also an air filled space in between to aid insulation. An air circulating fan helps in uniform distribution of the heat. These are fitted with the adjustable wire mesh plated trays or aluminium trays and may have an on/off rocker switch, as well as indicators and controls for temperature and holding time. The capacities of these ovens vary. Power supply needs vary from country to country, depending on the the voltage and frequency (hertz) used. Temperature sensitive tapes or other devices like those using bacterial spores can be used to work as controls, to test for the efficiency of the device in every cycle.

**EEWA specialized in manufacturing of Heating Oven in in different ranges:**

- 1 Pre-Heating Oven
- 2 Drying Oven
- 3 PTFE Sintering Oven

- **Industrial Electrical Heating components** are manufactured by EEWAA:
  - Band Heater
  - Strip & Fin type Heater
  - Cartridge Heater
  - Immersion Heater
  - Rod Heater
  - 'M' Type Heater
  - Infrared Heater



## DRYING OVEN

Drying Ovens, also referred to as Dryers, are typically used for the removal of moisture from water-based coatings and adhesives. Drying Ovens are also used for removing water from the surface or interior of certain products or substrates. EEWAA Drying Ovens are designed and built to your specific requirements for part size, production rate and thermal characteristics.

### SALIENT FEATURES

- Compact modular design
- Gear motor operated
- Excess temperature cut-off
- Control equipment electrically interlocked
- Heavy duty construction
- Provided air inlet and exhaust system
- High thermal efficiency and low resistance

### OPTIONAL ATTACHMENT

- Inside and outside body fabricated from stainless steel or mild steel
- As per buyer's requirement



## HEATING OVEN

EEWA's heating technologies designs and manufactures standard and custom thermal processing systems with various configurations. It produces wide range of Industrial Electrical Ovens with different temperatures for applications like Curing, Dehydrating, Bonding, Aging, Pre-heating, Sterilization, Fusing, Laminating and many other applications. We serve many industries like plastics, engineering, Electrical, Electronics, Food, Chemical, Pharmaceutical, Surgical, Rubber, Bakelite and many other industries.

### PRE-HEATING OVEN

Preheating Ovens are typically used to heat product prior to another operation such as forming, coating or installation. EEWAA Preheating Ovens are designed and built to your specific requirements for part size, production rate and thermal characteristics





## PTFE SINTERING OVEN

EEWA produces PTFE Sintering Oven suitable for PTFE products / components sintering and also for heat treating. It offers Sintering Oven in different sizes as per client's requirement. Our PTFE Sintering Oven are good at temperature uniformity, high degree of automation and stability.

### SALIENT FEATURES

- Internal air circulation for good temperature distribution
- Excess temperature cut-off
- Control equipment electrically interlocked
- Heavy duty construction
- Single owing type comprising a door front of heavy gauge steel
- Provided air inlet and exhaust system
- Provided open type strip heater for required heating load
- Composite blanket insulation
- Separate control panel board
- PLC display is available



### OPTIONAL ATTACHMENT

- Inside and outside body fabricated from stainless steel or mild steel as per customers requirement.

## HOT WATER BATH

This Water Bath is used to treat any heat able components from the range of warm to 50 to 90 Deg. Cent. By placing the drums on specially designed stand enables it to be heated symmetrically. As a result, it brings substance from semi-solid to semi liquid / liquid format

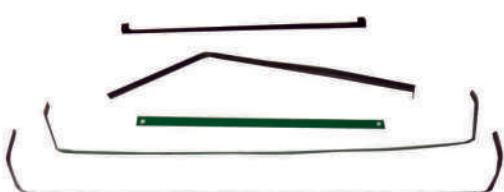
### SALIENT FEATURES

- Mild steel water bath with Insulation
- Temperature Range: 70-100 (°C °F)
- Drum Size : 600 mm Dia. x 1000 mm Height
- Loading of drum : Top Side
- 6 nos. Drum water bath
- Mild Steel Fabrication Inside  
Size: Approx. 2.8 Mtr x 1.9 Mtr x 60"
- Higher Thickness Sheet Bottom 8mm
- Necessary Side Supports 5mm Side wall
- Lifting hooks & Studs
- Insulation 4" thick & Base stand 9" Height
- Inner Stand for drum Resting
- Heater of 48 KW total load
- High Temperature resistance paint & Safety Cover for heater



## BFFS CUTTING BANDS / KNIFE

Our newest range of product Cutting Band used for separating bottles and I. V. Fluid containers once it is blown filled and sealed, used for pharmaceutical purpose. We provide Parison knife in custom designed sizes and variations, meeting the



needs of BFS technology users. Virtually any healthcare company can use this Parison cut-off mechanism having product ranges in areas of Respiratory, Ophthalmic, Parenteral, Oral, Topical and many more. BFS cutting knife is prone to heat and it glides smoothly on sealed fluid bottle, it helps remove a fluid carrier while a blade is at preset temperature.

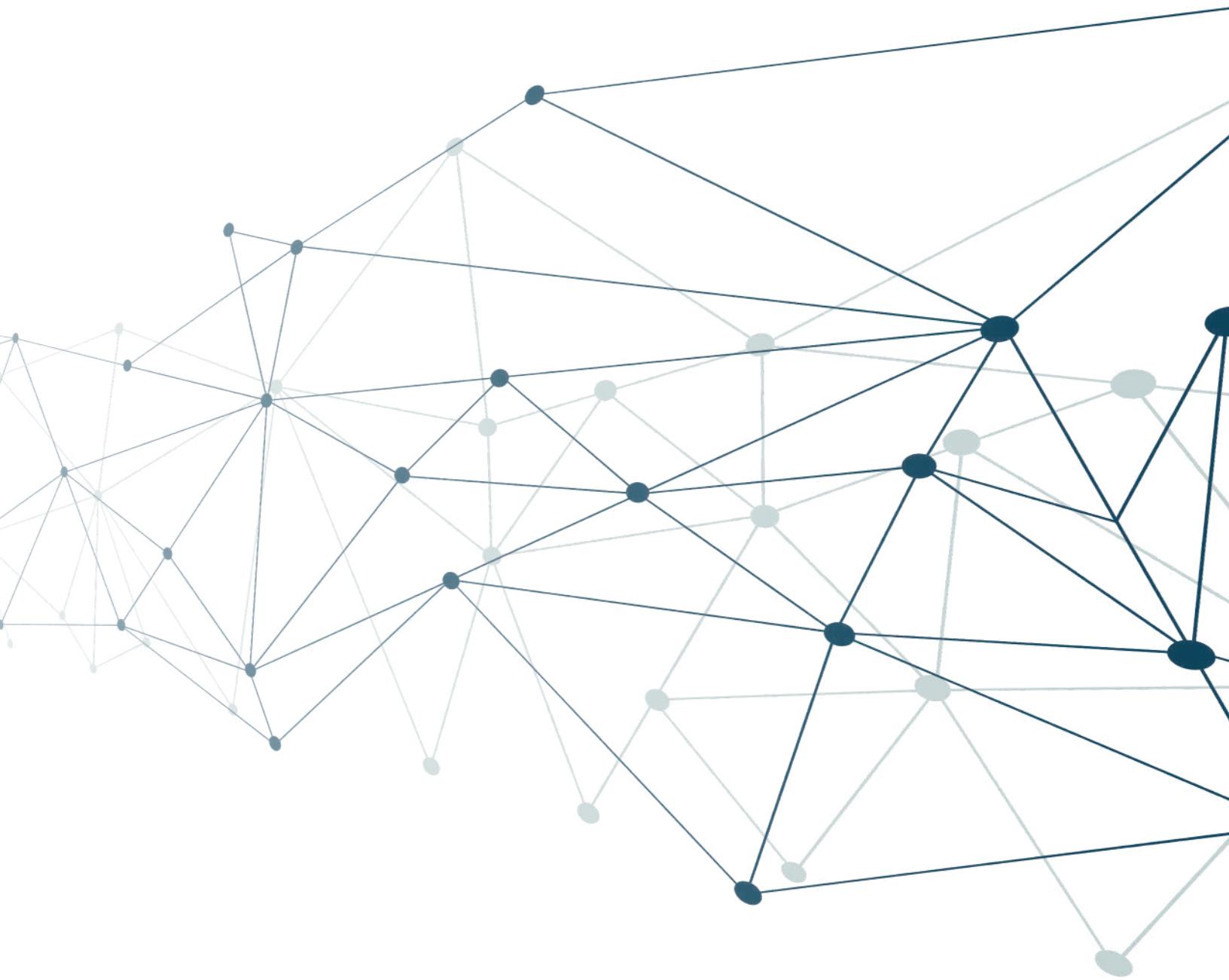
# MEMBERSHIPS & AFFILIATIONS

- PLASTICS MACHINERY MANUFACTURERS ASSOCIATION (PMMAI)
- THE ALL INDIA PLASTICS MANUFACTURERS' ASSOCIATION (AIPMA)
- INDIAN INSTITUTE OF PACKAGING (IIP)
- INDIAN PLASTICS INSTITUTE (IPI)
- GUJARAT CHAMBER OF COMMERCE & INDUSTRY (GCCI)
- GUJARAT STATE PLASTICS MANUFACTURERS ASSOCIATION (GSPMA)
- AHMEDABAD MANAGEMENT ASSOCIATION (AMA)
- GUJARAT STATE SMALL INDUSTRIES FEDERATION (GSIF)
- SAURASHTRA PLASTICS MANUFACTURERS ASSOCIATION (SPMA)



## APPLICATION

**Pesticide Industry** Biscuit Industry  
**Auto Industry** Pan Masala  
**Tea** Chemical Industry Salt Industry  
Foam Industry Seeds Apparel Industry  
Dairy Products Engineering Industry  
Plastics Industry Pharmaceutical Industry  
Textile Mill Products Ptfe Curing  
**Isabgul** **Coffee**  
**Food Industry** **Confectionery Industry**  
Dehydration Industry Pepsicola & Soft Drink  
Photographic Industry Building & Hardware  
Edible Oil Oil & Gas Products  
Gum Industry Auto Industry  
Co.op. Societies / Corporations / Institution Textile Industry Surgical Industry  
Cosmetic Industry Detergent Industry Pouch Manufacturer  
Soap & Themo Coal Ultramarine Industry Paper & Themo Coal



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