

CATALOGUE



The fountainhead of quality in products is fed by a sustained corporate commitment to fulfilling customer demands. **Eewa Engineering Company Pvt. Ltd.** has grown from manufacturing Impulse Heat Sealing Machinery to being a major corporate player and market in the manufacture of multifaceted range of products in Sealing & Packaging Machineries.

Our Priority at Eewa:

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.

Customer Care at Eewa:

We, at **Eewa**, give utmost attention and take care even of a small suggestion of the customer. At **Eewa**, we believe in optimization of productivity and proficiency, which leads to quality. We make value addition, by customizing product by engineering modifications, so the customers get what they want and what they pay for. We humbly acknowledge the trust reposed by our customers in not only our product, but also in our service and after sales support. We, with our sophisticated and fully computerized inventory system, are quite capable of swiftly dispatching our orders and provide instant updates of orders, billing, and inventory and provide information for any query.

DRIVE FORCE OF EEWASINCE 1967
ABOVE 250 + MODELS | 30,000 + CUSTOMERS
EXPORT TO 55 + COUNTRIES



LEGAL CAUTION

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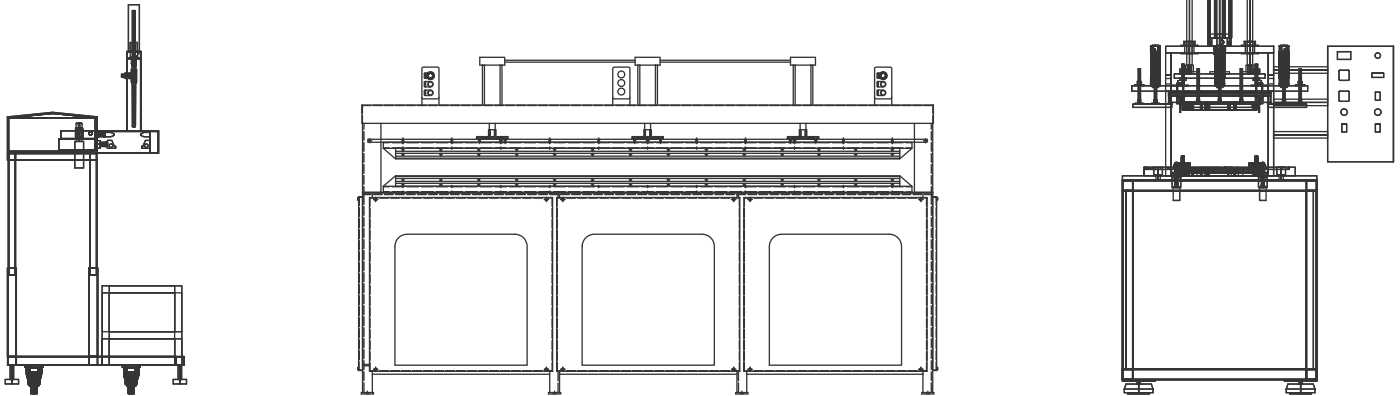
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SEALING





A heat sealer is a machine used to seal products, packaging, and other thermoplastic materials using heat. This can be with uniform thermoplastic monolayers or with materials having several layers, at least one being thermoplastic. Heat sealing can join two similar materials together or can join dissimilar materials, one of which has a thermoplastic layer.

Heat sealing is the process of sealing one thermoplastic to another similar thermoplastic using heat and pressure. Heat sealing technology utilizes a constantly heated bar, die or pulse generated sealing technology to apply heat to a specific contact area or path to seal or weld the thermoplastics together. Heat sealing is used for many applications, including heat seal connectors, thermally activated adhesives and film or foil sealing.

TYPES OF HEAT SEALING

- **Impulse heat sealers** have heating elements (one or two) of Nichrome placed between a resilient synthetic rubber and a release surface of film or fabric. The heating elements are not continuously heated; heat is generated only when current flows. When the materials are placed in the heat sealer, they are held in place by pressure. An electric current heats the heating element for a specified time to create the required temperature. The Jaws hold the material in place after the heat is stopped, sometimes with cooling water: this allows the material to fuse before stress can be applied.
- **Hot bar sealers** have heated tooling kept at a constant temperature (also known as Direct Contact Thermal Sealing). They use one or more heated bars, Iron, or Dies which contact the material to heat the interface and form a bond. The bars, Irons, and Dies have various configurations and can be covered with a release layer or utilize various slick interposer materials (i.e. Teflon films) to prevent sticking to the hot bar.
- **Continuous heat sealers** also known as Band type heat sealers utilize moving belts over heating elements.
- **Hot wire sealing** involves a heated wire that both cuts the surfaces and joins them with a molten edge bead. This is not usually employed when barrier properties are critical.
- **Induction sealing** is a non - contact type of sealing used for inner seals in bottle caps.



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 needs 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"



PORTABLE HANDY SEALER - IMPULSE TYPE

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



PORTABLE HANDY SEALER - HOT BAR TYPE

This Portable hand held 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 the work. Direct 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 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 of 10 mm wide
- Sealing Device of 9" & 12" size

TABLE TOP IMPULSE SEALER

This Automatic Table Top Impulse Heat Sealer easily seals and secures poly bags, poly tubing, or any other polyethylene or polypropylene material. Three separate controls allow independent control of dwell time, heat time and congeal time. Switch selectable is for full automatic or manual operation. It comes with foot pedal switch for semi-automatic operation.

This unit protects the element from moisture and contamination creating a clean and secure seal. Automatic programmable Impulse Sealers are designed for the continuous sealing of thermoplastic films such as polyethylene and polypropylene. Controlled by electronic timers which bring down and release the Jaws when the job is done. Takes the guesswork out of sealing. These popular models eliminate operator error in the sealing operation. Once the correct control settings have been programmed, consistent seals are maintained automatically, making the last seal as perfect as the first. The automatic sealer is ideal for sealing operations in packaging candies, food, stationery, drugs, tools etc. Machine is available in different sealing length from 450 mm to 600 mm



FO SERIES

These manual, foot pedal operated sealers and trim sealers are designed for packaging applications, small quantity and occasional sealing applications. The Dwell Timer Control system controls an indicator light which signals the operator separately for sealing and cooling cycle which allows the operator for releasing the foot pedal and it opens the sealing jaws. These machines seal polyethylene and other thermoplastic films.



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

FO VM OB

The manual and foot pedal operated impulse sealer designed for with unobstructed jaw to close vertically standby bags. The easy access in and out of the trim sealing jaws makes it convenient for the operator to bring the filled bags to and from the machine. The machine seals air tight / water tight sealing of polyethylene and thermoplastics.

SALIENT FEATURES

- Manual Foot Pedal Press operation
- Seals polyethylene bags and any thermoplastic materials quickly and efficiently
- Seal Length available in 12" 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



PSA SERIES

These semi-automatic and foot switch operated sealers and trim sealers are designed for packaging applications. The Dwell Timer Control system controls an indicator light which signals the operator separately for sealing and cooling cycle. Every pneumatic machine is provided with air cylinder, air filter, oil lubricator, gauge, solenoid valve in suitable capacity and proper range. The machines seal polyethylene and other thermo-plastic films.

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

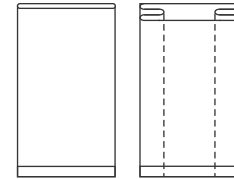


PSA LD SERIES

These are heavy duty pneumatic powered Sealers and trim sealers are designed for packaging applications. Accurate Digital Timers are provided for fast and efficient sealing. Every pneumatic machines are 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

- Pneumatically controlled semi-automatic operation
- 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
- Equipped with Digital Timer
- Two parallel seals are available upon request
- Provision of Upper & Lower Jaw Heating Element
- Seals polyethylene bags and any thermoplastic materials quickly and efficiently.
- Sealing 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.



PSA HD SERIES

EEWA produces heavy duty pneumatic powered sealers and trim sealers for making extra long sealing on high temperature materials and very thick or multiple layers of various films and laminates. The welded rectangular structural frame provides the structure stability necessary to make seals for a big size bag / sheets or very wide seals are possible. Films can be fed from the front or back of the machine and passed between the sealing jaws for an uninterrupted with the open back design. The machines are available in 50" to 180" sealing length or as per request.

SALIENT FEATURES

- Pneumatically controlled semi-automatic operation
- Heavy Duty and sturdy structure
- Seals polyethylene bags and any thermoplastic materials quickly and efficiently.
- Sealing Length available from 50" to 180" (depends upon model)
- Seal width: 8 mm, 10mm
- Equipped with Digital Timer



LONG LENGTH HEAVY DUTY SEALING MACHINE

EEWA produces semi-automatic foot switch operated 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 Silpaulin / laminated films in wide variety of thickness and are also suitable for making long length liners. Every pneumatic machines are provided with air cylinder, air filter, oil lubricator, and air gauge with suitable capacity and proper range. Its widely used for center sealing and side sealing. It also comes with add-on corner bending machine along with Triangle, Square and Round sealing attachments

SALIENT FEATURES

- Pneumatically controlled semi-automatic operation
- Seals "Silpaulin" and any poly laminated films efficiently after stroke by stroke.
- Seals materials up to 180" wide (Model dependent).
- Seal width is 8 mm-10 mm (Also double parallel seal is possible)
- Hot Bars available in plain, and parallel lining design
- Heat controlled by the accurate digital temperature controller



Samples



PFA LD SERIES

These are heavy duty pneumatic powered fully automatic 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

- Pneumatically controlled fully automatic operation
- Seals polyethylene bags and any thermoplastic materials quickly and efficiently.
- Sealing 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



VM SERIES

Vertically mounted sealers and trim sealers are designed as heavy duty for to seal bulk bags. The horizontal movements of the sealing jaws are allowing them to over hand the work area. The sealing jaws assembly is mounted on a floor standing frame and through adjustable platform, different height bags can be sealed. Sealers are available in Foot Pedal Press as well as in pneumatically controlled semi-automatic model PSA VM Series. Both series Machines are available from 12" sealing length to 40" sealing length.

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 a Electronic 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.
- Easy to operate. Simply set the timer, insert bag between the sealing bars, press down on the foot pedal and release after indicator light goes-off.



PSA VM SERIES

In the series of vertical mounted sealers and trim sealers, apart from Foot Pedal sealer, EEWA also manufacturing accurate and high efficient pneumatically controlled semi-automatic machine in PSA VM Series.

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.
- 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.



PSA VM 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 bulk bag and also for plastics liner sealing. The impulse generator consists with digital timer system and all controls are built in separate box fitted on right side of machine. Seals many types of thermoplastics films / bags like PE, PP, LDPE, HM, HDPE and adjustable temperature control to seal film of different thickness.

SALIENT FEATURES

- Pneumatically controlled semi-automatic operation with horizontal jaw movement
- Seals polyethylene bags and any thermoplastic materials quickly and efficiently which can seal materials up to 40" wide with
- Seal width is 2 mm- 3 mm- 5 mm- 8 mm and two Parallel seals on request is Possible
- 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

OPTIONAL ATTACHMENT

- Vacuum system and /or Nitrogen purging system





VACUUM SEALER

Vacuum sealing machine is popular and is ideal for small, flexible everyday production. The machine is typically selected by butcher shops, hotels, restaurants, institutions, grocery stores etc. etc. This table top single or double chamber machine is perfect for vacuum packaging your product to extend shelf life, prevent freezer burns and maintain your product in a controlled atmosphere.

SALIENT FEATURES

- Transparent lid provides clear visibility for packaging operations
- Two Operation modes possible Vacuum only /seal only
- Compact design
- Hygienic design easy to learn
- Complete stainless steel structure for maximum durability
- Equipped with excellent vacuum system
- Excellent sealing system
- Simple operate microcomputer system

BENEFITS

- Extended shelf life
- Better presentation
- Increased profitability
- Increased productivity
- Maintain food's freshness and original flavor
- Prevent electronic and parts from oxidation
- Available for special applicant.



SEALING MACHINE WITH NITROGEN GAS PURGING

While considering the current packing trend and huge demand for sealing machine with nitrogen gas flushing system. EEWA developed and introduced these systems in the machine with latest technology.

SALIENT FEATURES

- Pneumatically Controlled Semi-Automatic Operation
- Available in Impulse as well as in Direct Heat Seal Type
- 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 Model
- Bag Height : Min. 300 mm to Max. 1000 mm
- Can be sealed any PE Film Bag in various thickness as well as Poly Laminated and Aluminum bag (depends upon model)
- Adjustable Platform
- Digital Timers
- Ergonomic design
- Parallel seal available in impulse type model
- Power Supply: 110v, 220 V, 440, 3 Phase AC power supply
- Can operate with or without Gas purging
- User friendly design



SEALING MACHINE WITH VACUUM SYSTEM

This is a pneumatic sealing machine with a provision of vacuum system.

SALIENT FEATURES

- Pneumatically Controlled Semi-Automatic Operation
- Available in Impulse Type as well as in Direct Heat Seal Type
- 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 model
- Bag Height : Min. 300 mm to Max. 1000 mm
- Can be sealed any PE Film Bag in various thickness as well as Poly Laminated and Aluminum bag
- Adjustable Platform
- PLC Based Operation
- Ergonomic & user friendly Design
- Interlocked design for safe operation
- Emergency stop
- Two parallel sealing arrangement in impulse sealer
- Power Supply: 110v, 220v, 440v, 3 Phase AC power Supply
- Can operate with or without vacuum system



SEALING MACHINE WITH VACUUM + NITROGEN GAS PURGING SYSTEM

This is a pneumatic sealing machine with a provision of vacuum and nitrogen gas flushing system.

SALIENT FEATURES

- Pneumatically Controlled Semi-Automatic Operation
- Impulse Type Sealing Machine
- Sealing Length 375 mm to 1100 mm & Sealing Width 3 mm to 8 mm
- Bag Height : Min. 300 mm to Max. 1000 mm & Two parallel seals available in impulse sealer
- Can be sealed any PE Film Bag in various thickness as well as Poly Laminated and Aluminum bag
- Adjustable Platform
- PLC Based Operation
- Ergonomic Design, Interlocked design for safe operation & user Friendly design
- Digital Counter & Provision of emergency stop switch
- Power Supply: 110v, 220 V, 440, 3 Phase AC power supply
- Can operate with or without Vacuum as well as Gas purging

APPLICATIONS

- Bulk & Industrial Packaging
- Pharmaceuticals & Dehydrated Foods
- Chemicals & Bulk Drugs

OPTIONS

- Stainless steel construction



SEALING MACHINE WITH FLAMEPROOF PROVISION

This Machine is designed to work within Flameproof area. It is designed on the basis of Impulse heat sealing system according to 2A & 2B flameproof norms of industrial standards.

APPLICATIONS

- Bulk Packaging
- Fire hazardous heat sealing area
- Fire Hazardous Polymer Packaging
- Cracker packing
- Solvent based packaging area





CD SERIES

This manual foot pedal Continuous Heat Sealer is to seal bags made of heat sealable films and materials like Cellophane, coated paper, Polyester Poly, Aluminum foils, Laminates etc. Machine is available in the sealing length of 15" as standard and maximum size in 20". Selected sealing jaws of Plain, Corrugation, and Diamond design with 10 mm or 12 mm width are available. Accurate temperature controller provided for maintain temperature in sealing bar.

SALIENT FEATURES

- Manual Foot Pedal Press operation
- Heat sealable film / bag of poly laminated, aluminum 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

MGO CD SERIES

This is motor driven mechanical type direct heat sealing machine suitable for sealing poly laminated, aluminum foil, coated paper, polyester poly or any other such type of film bag. The sealing jaw operates automatically as per the speed cycle adjusted in the machine. Variable speed drive available in the machine and can adjust the speed of the machine through provided speed control switch.

SALIENT FEATURES

- Mechanical type motor gear operated machine
- Heat sealable film / bag of poly laminated, aluminum foil and any poly coated
- Variable speed drive
- Seal Length available in 15"
- Seal width 10 mm to 12 mm
- Two parallel seals are available upon request
- Provision of upper and lower jaw heating element



PSA CD SERIES

EEWA produces semi-automatic foot switch operated direct heat Sealer designed for packaging applications, small quantity and occasional sealing applications. Accurate thermostat 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. Every pneumatic machine are provided with air cylinder, air filter, oil lubricator, and air gauge with suitable capacity and proper range.

SALIENT FEATURES

- Pneumatically controlled semi-automatic operated
- Seals aluminum foil and any poly laminated film pouches quickly and efficiently.
- Seals materials up to 20" wide (model dependent)
- Seal width is 10 mm- 12 mm
- Hot Bars available in plain, serrated type, lining design
- Heat controlled by the accurate electronic, thermostatic and precision components



PSA LD CD SERIES

EEWA produces semi-automatic foot switch operated 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. Every pneumatic machine is provided with air cylinder, air filter, oil lubricator, and air gauge with suitable capacity and proper range.

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 (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



PSA HD CD SERIES

EEWA produces semi-automatic foot switch operated 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. Every pneumatic machine are provided with air cylinder, air filter, oil lubricator, and air gauge with suitable capacity and proper range.

SALIENT FEATURES

- Pneumatically controlled semi-automatic operated
- Seals aluminum foil and any poly laminated film pouches quickly and efficiently.
- Seals materials up to 80" 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



PFA LD CD SERIES

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. Every pneumatic machine are provided with air cylinder, air filter, oil lubricator, and air gauge with suitable capacity and proper range.

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



PSA VM CD SERIES

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. Operator pulls open end of the bag between the sealing jaws and then press the pneumatic foot switch of machine. It will make to close the jaw and start the sealing process. These Machines are designed for bulk bag sealing. The production speeds vary according to the type and thickness of sealing bag and also the operators 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
- Seal width is 10 mm- 12 mm
- Hot Bars available in plain, serrated type, lining design
- Heat controlled by the accurate digital temperature controller



LIQUID POUCH SEALING MACHINE

EEWA designed a custom designed machine specifically for sealing liquid pouch. Operator has to put the filled liquid pouch vertically in between the sealing jaws and press the foot switch.

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 15" 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



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 spill able items such as powders, liquids, grains, etc. These sealers consist of a frame, on-off switch, speed regulator, cooling fan, electronic temperature controller, drive, adjustable conveyor and sealing assembly. 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

Belt sealers are easy to operate. Turn on the power & fan and set the temperature on the temperature controller. When the preset temperature has been reached, place the bag at the positioning plate bag guide. The sealing bands carry the bag through the unit to seal the bag. Sealed bag is released at end of sealer. No pushing or pulling is required.

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



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.



FOIL & CAP SEALER MANUAL HAND PRESS

EEWA produces Foil & Cap / Lid sealer useful for sealing cap, foil on plastic bottle, jar, cup and container. This is manual hand press machine and simple in operation. Heat controlled by the accurate thermostatic controls. In Manual Hand Press Machine, four models are available;

- Model Mark 1 – with 4" diameter sealing die
- Model Mark II - with 5" or 6" diameter sealing die
- Model Mark III – with 7" diameter sealing die
- Model Mark IV - with 8" diameter sealing die



INDUCTION TYPE CAP SEALER

Induction sealing machine are mainly used to seal plastic bottles (PP, PET, PE, PS, PVC) & glass containers with aluminum foil for pharmacy, chemical industry, pesticide, food stuff, cosmetic, lubricating oil, industry etc. they are two types of automatic and portable for your choose.

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 also 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 degree centigrade
- 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



LABORATORY TYPE HEAT SEALER MODEL: LAB 600

The 600 LAB Model Thermal impulse heat sealer is a fully instrumented Laboratory 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 :

- Pneumatically powered semi + 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
- Suitable for sample making also
- Analyzing the salability 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 aluminum 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 also in round shape



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 EEWA 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 GLOVE MAKING MACHINE

In the disposable hand glove making machine range, EEWA 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



SALIENT FEATURES

- Pneumatic semi-automatic operation
- Film feeding manually
- Film roll guide
- Available with single, two or three cavity die
- For making standard size and veterinary hand gloves
- Designed for mass production
- Easy to operate. simply set the timer, insert the film between the sealing die and press the foot switch



VALVE TYPE BAG MAKING MACHINES



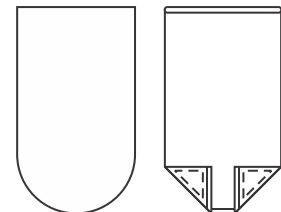
Looking to the fast development in the packaging field some typical industries now introduced by using valve type thermoplastic heat sealed bag, particularly, polymer, chemical fertilizer & petrochemical industries for packing their products.

The main attraction of the valve type bags are it's shape, the durability and the best preserving capacity of the containing material. Eight corner valve type bag can be manufactured from the flat tubes of LDPE / HDPE / EVA and even from the multilayer films also.

EEWA produces both standard & deluxe model type one full set of equipments for manufacturing eight corner valve type bags from thermoplastic tubes. Deluxe model design for larger production quantities. A set of equipments consists with blanking machine, Top sealer, bottom sealer, tagging sealer for top and bottom, valve fixing machines etc

Blanking machine is pneumatically powered machine used for cut the plastic tubing in uniform size. Operator simply pulls the tubing to the desired bag length and a trips as switch to start to cutting cycle. A film roll holder provided for easy movement of films to the cutting jaw.

Tagging table is used for tagging the trimmed bag before it has to take on the top or bottom sealer. EEWA offers both foot pedal operated or pneumatically operated tagging table.



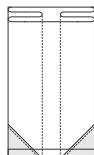
PILLOW PRESS AND SEALER

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 bailing 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.



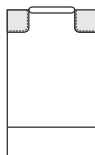
'L' SHAPE SEALER

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 & 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.



VISCO SEALER

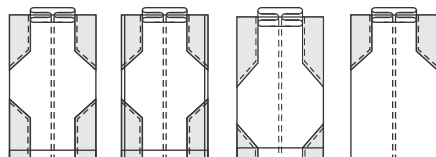
The sealer is suitable for sealing special type pouch filled with high viscous liquid product. From the developed above 2 sealers, one machine is for sealing one end of filled pouch and another sealer for sealing fitment fitted in the pouch.



FORM FIT LINER BAG SEALER (FIBC LINER)

FIBC (Flexible Intermediate Bulk Container) also known commonly as Jumbo bags, Bulk bags, Tote bags etc. are an efficient and economical way of packing dry bulk material. FIBC come in various shapes, sizes, capacity and specification depending on the product to be packed in them.

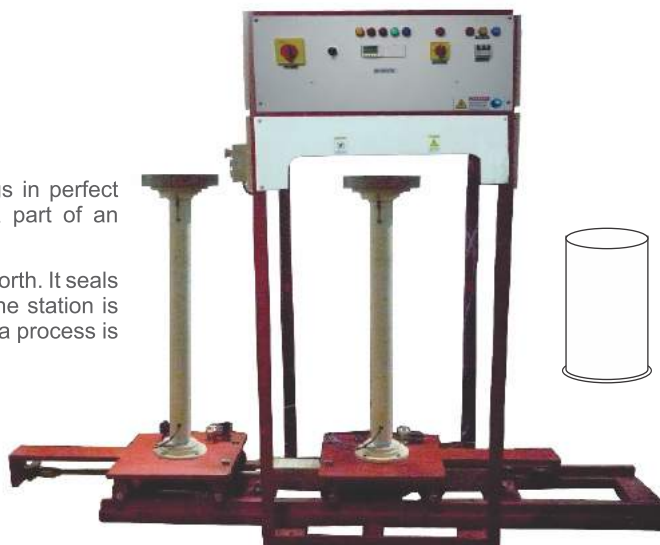
EEWA produces custom designed Heat Sealing Machine for making this type of FIBC Liner (Jumbo bags). This is pneumatically controlled semi-automatic type machine. Machine will be designed according to the type and size of jumbo bags to be manufactured from PP or PE materials which are commonly used for making FIBC Liner.



ROUND BOTTOM BAG SEALER

Machine is used to the 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.



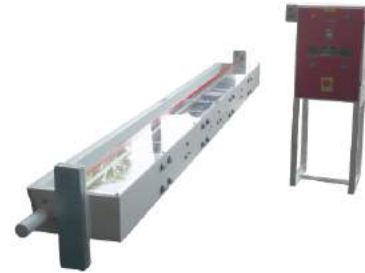


KNITTED FABRIC SEALING MACHINE

This unit is used to conjoined two fabrics in roll forms; one being at the tail-end and the other side is a new roll in an unwinding position. Sealing assembly does sealing by bringing end of two films together. In return, back end of used and front end of non-used fabric being welded as one and thus passes through and slide into its next process . Various qualities of Knitted Fabrics Can be weld (sealed) through this machine.

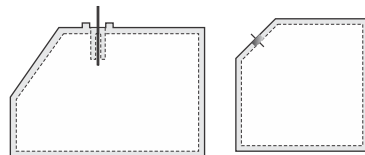
APPLICATIONS

- Long Length Welded Joints
- Assembled made through this machine can be used as baking fabric of artificial leather



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, EEWA 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.



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

SALIENT FEATURES

- Pneumatically Controlled Semi-Automatic machine
- Ergonomic Design
- Designed to seal retort type food package pouch / sachets
- Impulse type sealer
- Dwell digital timer
- Audio alarm
- Sealing width : 3 to 10 mm
- Sealing length : 300 mm to 400 mm

APPLICATIONS

- Food Industry

OPTIONAL

- Stainless Steel construction



EDGE SEALING MACHINE

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 bag containing furniture item like chair or such articles.

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 odd shape filled bag sealing



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.



PLASTICS FILTER SEALER

This custom designed sealer is designed for sealing blood filter or any such type plastics filter. The machine is manual hand press type and where the mass production is not required, this machine is ideal and economical. The machine is also suitable for other different applications.

'U' SHAPE SEALER

In the manufacturing of explosive plastic bag, EEWA produces special designed machine for making bag with 'U' shape sealing design. 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.

SALIENT FEATURES

- Pneumatic Semi-Automatic operation
- Film feeding manually
- Film roll guide
- Easy to operate. Simply set the timer, insert the film between the sealing die and press the foot switch
- Servo based machine is also available for mass production



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

LINER SEALER

EEWA produces semi-automatic foot switch operated direct heat 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
- Hot Bars available in plain, serrated type, lining design
- Heat controlled by the accurate electronic, thermostatic and precision components





FITMENT / CIRCULAR SHAPE SEALING MACHINE

Sealing Machine for sealing fitment is available in different ranges according to the size and type of fitment.

APPLICATION

- Medical Pouch
- Plastics Liner Bag / Jumbo bag

SPLICING IRON

EEWA Splicing Irons are specifically designed for welding thermoplastic waterstops, such as PVC, Polyethylene and other thermoplastics. They are constructed of the highest quality components for superior performance and durability. The temperature control is adjustable from various temperature for various splicing conditions and materials.



SOLDERING POT

- S.S. Tank for Pot
- MCB
- Digital Temperature Indicating Controller
- Thermocouple
- Heater
- Insulation
- Mild Steel structure
- Painted with powder coated paint



'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.



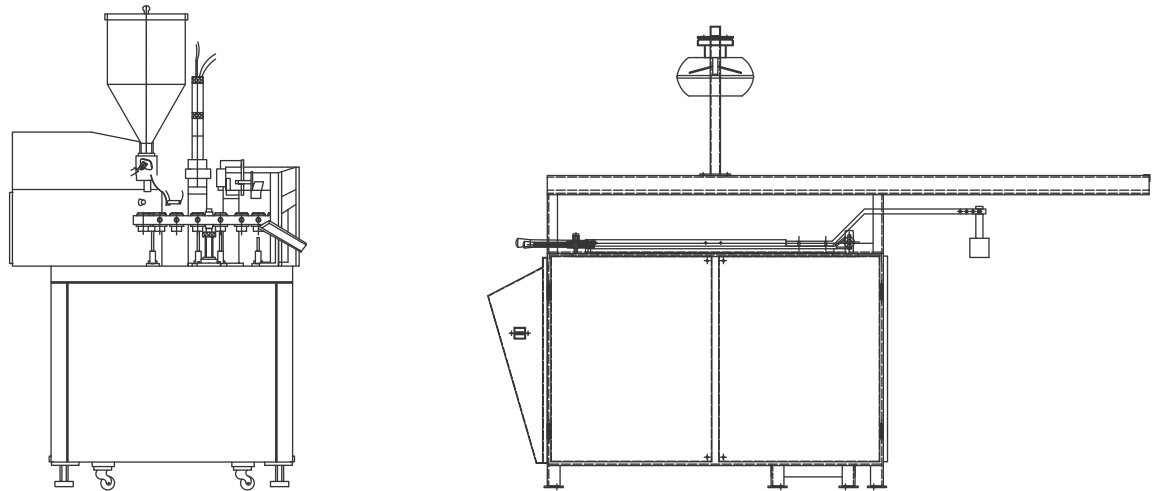
AGRONET SEALING MACHINE

EEWA designed and developed special custom designed machine for welding fabrics / films in long length. This is pneumatically controlled semi-automatic machine available in different sealing length up to 2500 mm.



PACKAGING





Packaging is the science, art, and technology of enclosing or protecting products for distribution, storage, sale, and use. Packaging also refers to the process of design, evaluation, and production of packages. Packaging can be described as a coordinated system of preparing goods for transport, warehousing, logistics, sale, and end use. Packaging contains, protects, preserves, transports, informs, and sells. In many countries it is fully integrated into government, business, institutional, industrial, and personal use.

TYPES OF PACKAGING

- **Thermoforming** is a manufacturing process where a plastic sheet is heated to a pliable forming temperature, formed to a specific shape in a mold, and trimmed to create a usable product. The sheet, or "film" when referring to thinner gauges and certain material types, is heated in an oven to a high-enough temperature that it can be stretched into or onto a mold and cooled to a finished shape. The basic principle of the vacuum forming process relies on the heated plastic sheet's self-sealing ability and trapped air space evacuation by vacuum as air is removed from the enclosed cavity, it causes pressure reduction on that side of the sheet, thus allowing the natural atmospheric pressure to fill the cavity and heated plastic sheet into the evacuated space.
- **Pressure Forming** process relies on the heated plastic sheet self-sealing ability and poured air space through pressurized air. As the air is poured to the enclosed cavity, it causes a pressure in creation on that side of the sheet and thus pressurized air force the heated plastic sheet into the evacuated space.
- **Shrink Wrap** packs one article or a group of articles with a thermoplastic film which subjected to heat, shrink and forms a tight wrap around the object.

TUBE SEALER MODEL: PSA

EEWA produces pneumatically operated Plastic Tube Sealer is the economical model for sealing plastics tubes which are ideal for use in medical, cosmetic or any other medium volume production environment. This Tube Sealer is adaptable from the smallest to the largest size tubes and can seal thick or thin wall polyethylene or other thermoplastic collapsible tubes. While designing the machine, it has incorporated with Tube Testing Equipment, which indicates all sealing parameters like Sealing Time, Temperature, Pressure and Bursting Pressure of tubes and thus makes the machine as LAB Model.

SALIENT FEATURES

- Pneumatically powered automatic + manual system
- Direct Heat Seal type sealing bar
- Seals PE, Monolayer, Multilayer tubes
- Variable height and diameter tube can be sealed
- Provision of height adjustable
- Tube testing equipment incorporated



SEMI-AUTOMATIC PLASTIC TUBE FILLING, SEALING, CODING & TRIMMING MACHINE MODEL: EXOMATIC – T – 30



EEWA produces pneumatically operated semi-automatic Plastics Tube Filling, Sealing, batch Coding, Trimming Machine. Major brand confidence in EEWA has enabled the company to become one of the world's leading manufacturer of Filling and Sealing Machines for Pharmaceutical and Cosmetic Products in Plastic Tubes.

To gain that rank and recognition in the world of pharmaceutical and cosmetic goods, in the demanding world of quality, the company has based its development on building up a relationship of trust with its customers.

SALIENT FEATURES

- Electrically operated pneumatically controlled semi-automatic operation
- Hot air type sealing system
- 10 / 12 cups station
- Output up to 30 cycles per minute
- Intermittent motion, single station rotary table layout
- Precision cam controlled operation
- Precise control of fill volume
- No tube/ no fill
- Manual tube loading
- Automatic ejection of filled tube sealed end first
- One set of size parts with PVC tube holders
- Stainless steel product hopper
- Welded tubular steel frame base, machine painted in "steel-it" stainless steel paint
- Lifting of the tube under the nozzle for bottom up filling
- Modular design allows for easy access to all components
- Sealed tube testing equipment for testing sealing strength of sealed tube

BLISTER FORMING (VACUUM FORMING) MACHINE

Thermoforming is the process of the heating a plastics sheet and shaping it with air pressure or vacuum on a mold. After the sheet is formed, it is cooled to obtain the final form. In vacuum forming a negative pressure is used in the molding step.

At EEWA, we design and manufacture different size Vacuum Forming Machine and Vacuum Packaging Machinery to meet any size and technical application. Our quality thermoforming machinery is designed simplistically for speed endurance, and ease of operation

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
- Manual / 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



BOX STRAPPING MACHINE

The machine is generally used for packaging of low and moderate volume products. The machine is operated at working table height. Be it a conveyor line or the shop floor, the portability of the machine ensures its versatility and flexibility.



SKIN PACKING MACHINE

EEWA produces Skin Packaging Machine in semi-automatic model and also in different sizes. Machines are designed specifically to perform skin-type packaging. It is not a vacuum forming machine adapted from such purpose. In this process mould or die is not required. A tough layer of clear PVC film surrounds even/complex shapes, locking the product firmly to the pre-adhesive coated support card in skin packing.

APPLICATIONS

- Automotive parts (Gasket, Oil Seals)
- Engineering parts (Compressor parts & Bearing tools)
- Electrical and Electronic components
- Computer parts
- Hardware items
- Kitchen ware
- House hold items
- Gift articles
- Cream cup
- Drinking glass
- Tea & coffee cups
- Plastics roof tiles
- Disposable soap boxes
- Liquor bottles

SALIENT FEATURES

- Machine works with PVC
- Machine works with PVC
- Resistances of low thermal inertia allow **the machine to be turned on at each cycle preventing waste of energy.**
- The high temperature of the resistances **causes a high transmission of infrared waves to the card allowing a perfect sealing between plastics and card.**
- Does not require preheating time to start product.



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



FAST WRAPPER

The portable plate sealer is ideal for sealing round, rectangular, triangular & vertical / horizontal shaped packets. The accurate thermostat which spreads the temperature very precisely and evenly over the surface. 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. A product is slid through heated guides, which ensures uniformity of sealing.

SALIENT FEATURES

- Sizes of packets are adjustable
- Temperature controlled by energy regulator
- No moving part

APPLICATIONS

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



SHRINK PACKAGING MACHINE TUNNEL TYPE

EEWA produces shrink packaging machines which have been recognized for durability, design excellence and quality. We export these shrink packaging machines across the globe and provide solutions for a wide variety of packaging applications.

Shrink tunnel machines are built with a variable speed conveyor fitted with silicon rollers. The air blower feature of this Shrink tunnel releases proportionate re-circulated according to various packaging sizes, shapes and thickness.

SALIENT FEATURES

- Tunnel Type shrink wrapping machine.
- Thermally insulated, energy efficient design
- Suitable for shrink grade LDPE, PVC and polyolefin films
- Fixed and variable speed models
- Digital temperature controller.
- **Used for pilfer proof, high visibility packaging**
- **Bigger window sizes are available on specific enquiry**

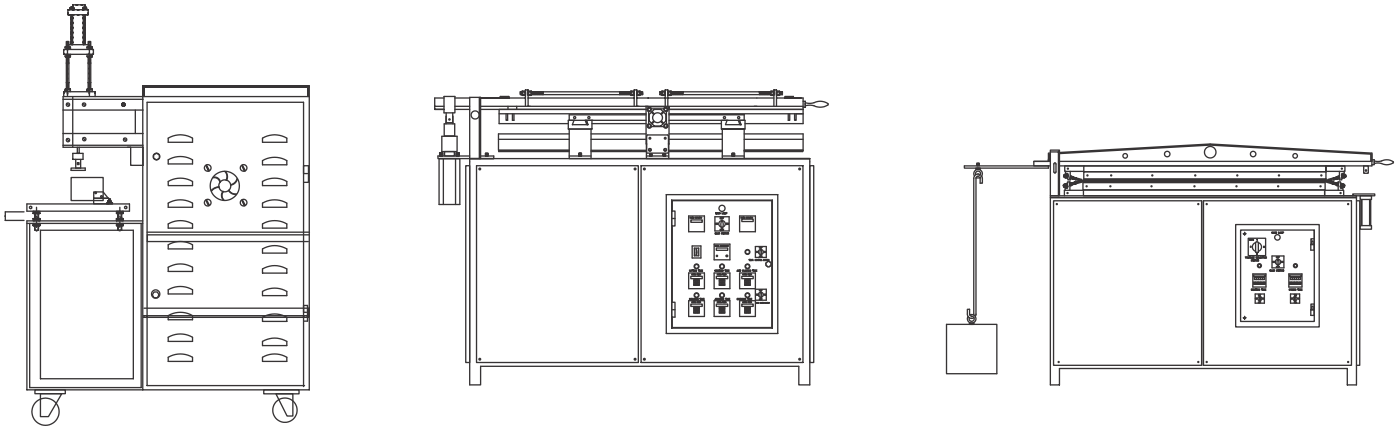


'L' SEALER

'L' sealer is basic sealing machine to wrap and seal the product to be shrink wrapped with shrink film which is in folded roll form. The product to be wrapped is inserted into the shrink film and sealed in the L seal area. Sealing types available are manual hand operated / pneumatically operated type. After sealing, the product is moved into shrink tunnel for shrink wrapping

PLASTICS WELDING





EEWA offers a wide array of Plastic Welding machines with latest technology and offers wide range of customization.

TYPES OF PLASTIC WELDING

- Hot plate welding** is used to Related to contact welding, this technique is used to weld larger parts, or parts that have a complex weld joint geometry. The two parts to be welded are placed in the tooling attached to the two opposing platens of a press. A hot plate, with a shape that matches the weld joint geometry of the parts to be welded, is moved in position between the two parts. The two opposing platens move the parts into contact with the hot plate until the heat softens the interfaces to the melting point of the plastic. When this condition is achieved the hot plate is removed, and the parts are pressed together and held until the weld joint cools and re-solidifies to create a permanent bond.
- High frequency welding** is done to certain plastics with chemical dipoles, such as PVC, polyamides (PA) and acetates can be heated with high frequency electromagnetic waves. High frequency welding uses this property to soften the plastics for joining. The heating can be localized, and the process can be continuous. Also known as Dielectric Sealing, R.F. (Radio Frequency) Heat Sealing. In a ferromagnetic work piece, plastics can be induction-welded by formulating them with metallic or ferromagnetic compounds, called subsectors. These subsectors absorb electromagnetic energy from an induction coil, become hot, and lose their heat energy to the surrounding material by thermal conduction. Radio frequency is a very mature technology that has been around since the 1940s. Two pieces of material are placed on a table press that applies pressure to both surface areas. Dies are used to direct the welding process. When the press comes together, high frequency waves are passed through the small area between the die and the table where the weld takes place. This high frequency (radio frequency) field causes the molecules in certain materials to move and get hot, and the combination of this heat under pressure causes the weld to take the shape of the die. RF welding is fast. This type of welding is used to connect polymer films used in a variety of industries where a strong consistent leak-proof seal is required. In the fabrics industry, RF is most often used to weld PVC and polyurethane (PU) coated fabrics. This is a very consistent method of welding. The most common materials used in RF welding are PVC and polyurethane. It is also possible to weld other polymers such as Nylon, PET, PEVA, EVA and some ABS plastics.
- Hot stamping** is a dry printing method of lithography in which pre-dried or foils are transferred to a surface at high temperatures. The object inversely receives positive image which is permanent.

HIGH FREQUENCY PVC WELDING MACHINE

Machine is suitable for sealing/welding thin or rigid PVC sheet in any shape. This Machine is available in Manual Foot Pedal Press as well as in Pneumatically Controlled Semi-Automatic Model in various capacities from 1.2 KW to 10 KW.

SALIENT FEATURES

- Sturdy M.S. structure for high pressure of working
- Ideal for domestic and industrial articles
- Gives mass & fast production even with domestic power with low rate of power consumption
- An ideal machine for all PVC fabrication jobs
- No warm up period is required
- All controls are visible and easy to operate during the operations
- Well and high quality control
- Prompt delivery
- Competitive price

APPLICATION

- Urine Bag , Blood Bag (Medical Appliances)
- Tent
- Toys & Gift item
- Photo Album
- Bank pass book cover & Photo identity card
- Foot sears
- Trade mark
- Sticking labels
- Raincoat
- Many other unlimited product from PVC material



PROFILE WELDING MACHINE

This is Laboratory type machine for analyzing the heat sealing / welding properties of PP and other thermoplastics profiles in different shapes and sizes. Key features are;

- Electrically operated machine
- Pneumatically controlled semi-automatic machine
- Clamping jaw suitable for 10 mm diameter or square rod and flat up to 40 mm width
- Both the side pneumatically operated cylinder with 50 mm movement
- Temperature range up to 225 degree centigrade
- Digital timer for horizontal and vertical cylinder operation
- Electrical heating equipment to generate 450 degree centigrade temperature
- Jaws are special PTFE coated
- Sealing jaws fitted with heater



HOT AIR WELDING GUN

EEWA produce hot air gun for plastics welding purpose. This is portable, most economic and medium duty lightweight heating unit specialized for any type of small plastics welding and other flame less heat applications. These heating units are available in different models with different heat settings suitable for different applications. You may mention your exact application and temperature requirement to enable us in suggesting model for your purpose.

FUSION WELDING MACHINE

Machines suitable for butt fusion joining of plastic pipes and fittings such as Polyethylene (HDPE), Polypropylene (PP), Polyvinyl fluoride (PVDF), Polybutene (PB) and other plastic materials, by means of an heating element coated with non-stick material. Machines are available for various diameter pipes.

BENEFITS

- There is no decrease in inner diameter of the pipe
- Low weight, low cost and flexibility of the equipment
- High operation rates
- No reduction in strength of material at jointed parts



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.



HOT PROFILE STAMPING MACHINE

This is pneumatically powered sealer which is specially designed for making service hole cover for Car doors. Different shape seals can be possible through interchangeable die. We incorporated all safety features while designing the machine.

HOT STAMPING MACHINE

EWEA added one more achievement in their range of product by introducing Hot Foil Stamping Machine. This is the most modern and technically advanced machine in its class. This machine can provide an instant and convenient way of Hot Foil Printing and Embossing. It can be used to imprint business cards, greeting cards, fancy goods and promotional products (plastics, paper, wood, leather and cloth).

The machine is used for heat transfer / hot stamping on different shape / type objects. The machine works on the roll-on principle of stamping i.e. silicon roller is used to transfer the impression on the articles. The parameters are controlled by PLC

APPLICATIONS

- Cosmetic and personal care product
- Household items
- Paper
- Stationery
- Automobile
- Garments
- Security

SALIENT FEATURES

- Compact construction, high efficiency
- PLC based controlling system
- Imported Linear Guide for movement



FOAM WELDING MACHINE

The pneumatically powered sealer is designed for welding Foam material of different thickness. This is our custom designed machine for that particular application. Machine is easily handle different type foam material in various thicknesses. We incorporated all safety features while designing the machine.



PLASTICS SHEET WELDING MACHINE

EEWA produces plastics sheet welding machine for making textile card can (cylindrical drum from plastic sheet. For this particular application, it offers a set of 2 heavy duty machines for sheet welding and finishing purpose. The machines are designed for making card can drum of maximum 54" length with diameter of 9" to 48" from 1mm to 5mm thickness of plastic sheet. The unobstructed open ended sealing jaws make these machine suitable for special applications and simplifies material handling. Applicable raw materials are HDPE, LDPE, PP&ABS in sheet form



SALIENT FEATURES

- Pneumatically operated continuous heat sealing system
- Sealing jaw of 60" length
- Both left and right side adjustable clamping system
- Sheet clamping attachment on both side
- Unlocking by mechanical system at four side
- Automatic welding cycle
- Natural air cooling on both side
- Digital temperature controller cum indicator with thermocouple
- Digital timer with thump wheel switch and indicator

PLASTIC SHEET FINISHING MACHINE

This heavy duty plastics sheet finishing machine is for finishing the welded part. The machine is pneumatically controlled with impulse sealing system.

SALIENT FEATURES

- Pneumatically operated Impulse heat sealing system
- Sealing jaw of 60" length
- Digital timer with thump wheel switch and indicator
- Heating Element fitted in both upper and lower jaws



PLASTICS SHEET JOINING / WELDING MACHINE



The Machine is designed to weld horizontally as well as cylindrical shape. The machine is equipped with separate control panel, which allows easily and safely setting and performance of the whole welding process.

The butt welding machine is also able to weld PE, PP, ABS, HDPE sheet in various thickness and also in different sealing length

SALIENT FEATURES

- Pneumatically Operated continuous heat sealing system
- Horizontal or Cylindrical welding provision
- Automatic welding cycle
- Combined system welding and finishing



MULTI COATED FABRIC WELDING MACHINE

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

APPLICATIONS

- Making of Aerostat
- Defense Application
- Tent
- Geo Membranes
- Roofing
- Oil Booms
- Flexible tanks
- Protective Apparel
- Inflatable Boats

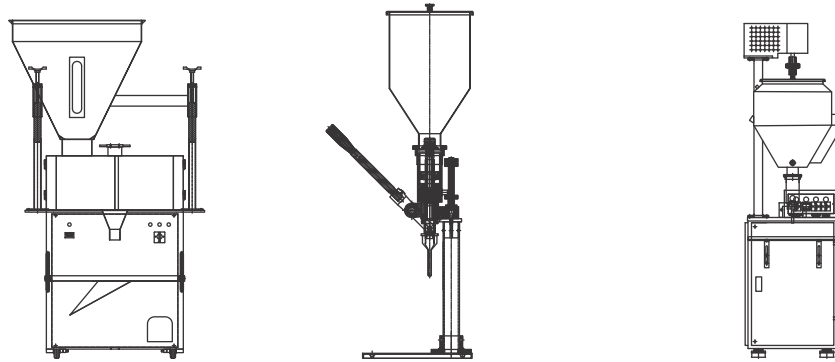
MATERIALS CAN BE SEALED

- Polyamide
- Fiberglass coated Fabrics
- PFA
- Tedlar
- Polyurethane



FILLING





EEWA offers wider range of Filling Machines suitable for powder filling, paste filling and liquid filling. We offer various machines

TYPES OF FILLING

- **Volumetric cup filler** is used for filling free flowing granule/seed like material. Eewa offers a complete range of Volumetric Cup Fillers in standard and customizable models. Semi-automatic Volumetric cup fillers are designed for filling free flowing powders and granular. Simple construction and easy maintenance makes these machines highly suitable for industry where skilled man power is a major hurdle. Conveyorized product feeding system can be combined with these cup filler machine to feed product in to the hopper of the machine. This helps in controlling the level of the product in hopper resulting in a higher accuracy.
- **Auger filler**, a semi-automatic powder filling machine is for filling non free flowing powders in larger packsizes with a high speed and accuracy. Auger filler Machines can also be customized in different dimensions as per the customers' requirements. Our ranges of products are made using best quality material which ensure sturdiness, corrosion resistance and durability and specially designed in order to deliver the easy changeover of product. GMP Models are fabricated as per the international quality standards and offer them at reasonable prices. Conveyorised powder feeding system can be combined with these Auger filler machine to feed powder in to the hopper of the machine. This helps in controlling the level of the powder in hopper resulting in a higher accuracy.
- **Paste filler/Liquid filler** is the piston filler type model which are the most reliable types of fillers used in the packaging industry. This filling machine is best suited for liquid and viscous products that are liquid, paste or semi paste. Piston fillers are primarily built to meet food grade standards and commonly fill heavy sauces, salsas, salad dressings, cosmetic creams, heavy shampoo, gels, and conditioners. They are also used for viscous chemical preparations like paste cleaners and waxes, adhesives, heavy lubricant oils and greases. The machine works by a simple principle; the piston is drawn back in its cylinder so that the product is sucked into the cylinder. A rotary valve then changes position so that the product is then pushed out of the nozzle instead of back into the hopper. The volume of the product that is sucked into the cylinder is the precise volume that will be dispensed into the container. The advantage of this type of filing machine is that involves conventional mechanical technology that is easy to understand for most users. It is also the most cost effective, accurate and fastest way to fill fairly thick products. Although more costly than overflow and time gravity systems discussed above, it costs less than the servo pump filler is still the most cost effective filling machine for thick products.

VOLUMETRIC CUP FILLER

EEWA produces WF Series of Volumetric Cup Filling Systems offer an economic, high quality solution for filling dry free flowing products. It offers WF series filler machine in different ranges from 25 gm to 5000 gm filling. The versatile EEWA models can be easily adjusted by you to allow for change in volume and rate of filling speed and more this is done with no loss of accuracy.

The durability and reliability of EEWA filling machines, heavy duty components and simple design will keep your operation run smoothly.

SALIENT FEATURES

- Totally enclosed structure body painted with special enamel colour.
- 25 gm to 5000 gm filling can be possible with simple method
- Approx 15 fillings per minute and it is variable up to 25 fillings, depending upon product and filling volume.
- Adjustable speed drive.
- Easy and simple adjustment for **volume cups setting for gramage fixing**
- No wastage of material
- Counter arrangement is available
- Suitable platform with collection tray of **dropped / slipped materials**

OPTIONAL ATTACHMENT

- Larger capacity product hopper
- Stirrer Motor
- Heater Jacketed Hopper



PASTE / CREAM FILLER

Our hand / motor gear operated paste / cream filler machine offers easy adjustment of the quantity of material to be filled and provides positive cut of value for drip lining. These machines are capable of handling products of various viscosities in jars containers, tube and bottles of different shape and size.

The Paste/Cream Filler can be used for dispensing:

- Cream
- Lotion
- Gel
- Balm
- Honey
- Paint
- Emulsions
- Adhesives
- Gums

SALIENT FEATURES

- Suitable to fill tubes, cans, bottles etc. in the range of 5 gm to 1000 gm per stroke.
- Available in Motorized semiautomatic type and Manual Hand Press Model
- Easy adjustments of quantities
- Positive cut-off value for drip free filling

OPTIONAL ATTACHMENT

- Heater Jacketed Hopper for high viscous product filling
- Stirrer system with motor for high viscous product filling



LIQUID CUM CREAM FILLER

A compact, single nozzle or double nozzle, semi-automatic piston liquid filler for liquid, cream, paste, and other viscous products dispensed in different capacities. Compact size makes it ideal for tabletop / bench-top operations for filling cosmetic and pharmaceutical products into tubes, pouches, and other small containers. Integral cutoff eliminates drips and product waste while saving the expense of separate cut-off accessories.

Machine is available in the range of

- 10 gm to 100 gm filling
- 100 gm to 1000 gm filling

SALIENT FEATURES

- Compact model
- Combined model for filling both liquid and paste
- Stainless steel construction
- Minimize wastage



LIQUID FILLER

EEWA produces LF Series Liquid Filler Machine which designed with motor driven mechanism . It offers Liquid Filler machine in different ranges from 5 ml to 1000 ml filling. The high level of accuracy meets the quality control specifications of the industry while the system is able to keep up with required production speeds. Speeds and accuracy have been combined in one machine



The LF Series of Liquid Filling Machine can be used for dispensing:

- Milk
- Buttermilk
- Edible oil
- Industrial oil
- Pharmaceutical liquid and many other liquid products

SALIENT FEATURES

- Built in mild steel body with all other contacted parts are in stainless steel sheet
- Compact , versatile and elegantly mat finished unit
- Accuracy of filling $\pm 1\%$ throughout the operation
- Ideal for filling in bottles, cans , tins etc
- Single or twin heads volumetric filling system
- Any liquid or semi- liquid products can be filled
- Stainless steel pump with adjustable and suitable piston rings for easy cleaning of entire pump set.



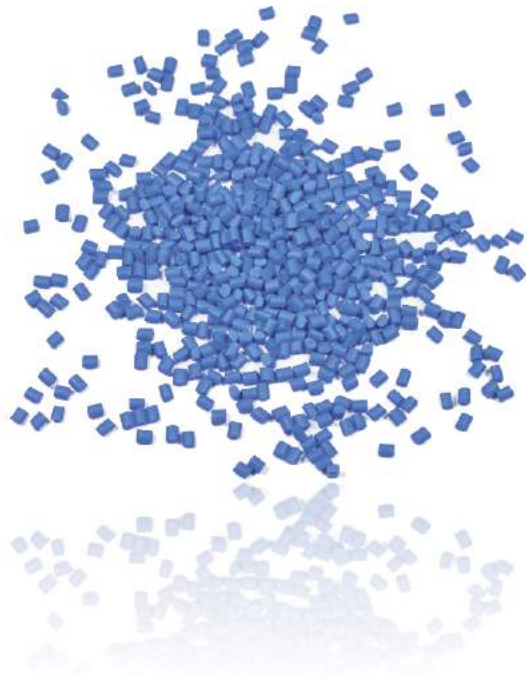
AUGER FILLER

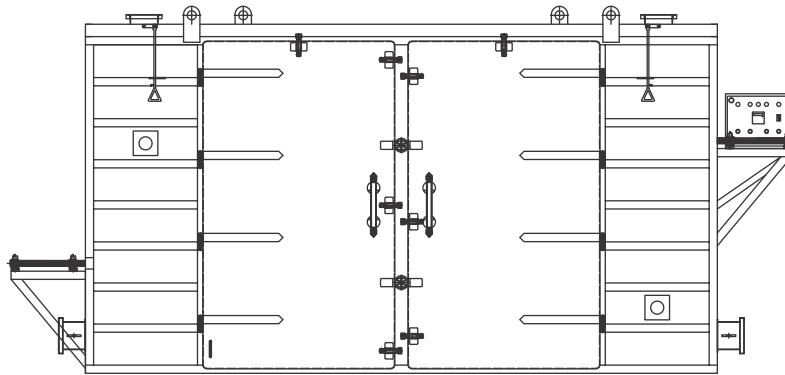
AF Series Auger Filling Machine is the latest development from EEWA. Its every Auger fillers are designed and built to the customer's packaging filling needs, with a control system and components adapted to exact product requirements. Speeds are depending upon the product fill size and operator's skill.

SALIENT FEATURES

- Variable speed
- Electro - magnetically speed control
- Photocell sensor system
- Stainless steel hopper and auger
- All product contact parts are in stainless steel
- Improved accuracy

OVEN & HEATERS





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:

Pre-Heating Oven

Drying Oven

PTFE Sintering Oven

- **Industrial Electrical Heating components** are manufactured by EEWA:
 - 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. EEWA 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. EEWA 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 opening 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

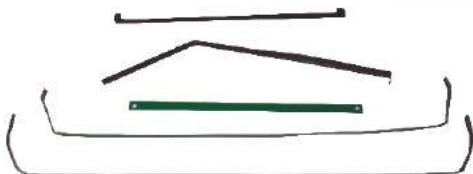
SALIENT FEATURES

- Mild steel water bath
- Insulated
- Temperature Range: 70-100 Deg. Cent.
- 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
- Insulation
- Mild Steel Sheet Metal 18 swg
- Studs
- Insulation 4" thick
- Base stand 9" Height
- Inner Stand for drum Resting
- High Temperature paint
- Heater of 48 KW total load
- 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.





BAND HEATER



EEWA is your most reliable manufacturer for high quality standard and custom process heaters. Servicing diverse industries, we provide a comprehensive services. We have a long track record of satisfying customer requirements for application, expertise, quick turn around and value. EEWA is committed to quality and service at competitive prices.

Whether you need to heat water, oil, chemical or liquid, we offer a heater to fit your application - from a company that will go the extra mile to fulfill any virtual need of a customer.

EEWA's Band Heaters are ideal for every type of plastics processing equipment. The main applications of this type of Band Heaters in Extruder, Blown Film Disc, Injection Moulding Machines and other Cylinder type Heating Applications. It manufactures a variety of Band Heaters including Barrel Heaters, Mineral Insulated Band Heaters and Ceramic Band Heaters.

STRIP & FIN TYPE HEATER

EEWA's Strip Heaters are the versatile solution of a number of applications. They can be bolted or clamped to a solid surface for freeze and moisture protection, food warming and other applications. The finned type Strip Heaters are commonly used for air heating, drying ovens and space heaters. The main applications are for Dies and Moulds, Tank and Platen Heating, Thermoforming, Packaging & Sealing Equipment, Ovens, Food Warming Equipment etc.



CARTRIDGE HEATER

With premium materials and tight manufacturing controls, the EEWA's Cartridge Heaters continues to provide superior heat transfer, uniform temperatures and resistance to oxidation and corrosion even at high temperatures. The main applications of this type of Cartridge Heaters are on Moulds, Dies, Platens, Hot Plates, sealing jaws etc.

INFRARED HEATER

Infrared heat is transmitted directly in the form of electromagnetic rays and therefore it is the fastest form of heat. Infrared heat is particularly economical on energy compared to other conventional heat sources because it acts quickly, directly on products.

EEWA manufactures Infrared Heaters in different sizes and capacities. These heaters are suitable for Thermoforming Machines, Vacuum Forming Machines, Ovens, Coating Machines and many other applications.



INDUSTRIAL ROD HEATER

EEWA's Rod Heaters are versatile in nature and solution for a number of applications. Rod Heaters are available in different sizes and capacities.

'M' TYPE HEATER

EEWA's 'M' Type Heaters are versatile in nature and solution for a number of applications. 'M' type Heaters are available in different sizes and capacities.



MEMBERSHIP

- GUJARAT STATE PLASTICS MANUFACTURERS ASSOCIATION (GSPMA)
- PACKAGING INDUSTRY ASSOCIATION OF INDIA
- INDIAN INSTITUTE OF PACKAGING (IIP)
- THE ALL INDIA PLASTICS MANUFACTURERS' ASSOCIATION (AIPMA)
- INDO GERMAN CHAMBER OF COMMERCE (IGCC)
- INDIAN PLASTICS INSTITUTE (IPI)
- AHMEDABAD MANAGEMENT ASSOCIATION (AMA)
- PLASTICS MACHINERY MANUFACTURERS ASSOCIATION (PMMAI)
- GUJARAT CHAMBER OF COMMERCE & INDUSTRY (GCCCI)
- SAURASHTRA PLASTICS MANUFACTURERS ASSOCIATION (SPMA)
- INDIAN TRADE PROMOTIONAL ORGANIZATION (ITPO)
- GUJARAT STATE SMALL INDUSTRIES FEDERATION (GSIF)





APPLICATION

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



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