

AAREM ENGINEERING

Manufacturers of Packaging Machines



**The Full Fledged Range of
Shrink Packaging Machines
&
Stretch Packaging Machines**

www.aaremengg.com



INDEX

The Full Fledged Range of Shrink Packaging Machines & Stretch Packaging Machines

• Shrink Tunnel	01
• Big Shrink Tunnel	02
• Neck / Lable Sleeveing Tunnel.....	03
• Mini Shrink Tunnel.....	04
• Seal -N- Shrink Chamber.....	04
• L-Sealer.....	05
• L-Sealer Tunnel	06
• Semi Automatic Web Sealer Tunnel /Sleeve Wrapping Machine	07
• Fully Automatic Sleeve Wrapping Machine.....	08
• Automatic Sleeve Wrapping Machine With Collator.....	09
• Pallet Stretch Wrapping Machine.....	10
• Carton Stretch Wrapping Machine.....	11
• Reel Stretch Wrapping Machine.....	11
• Coil Stretch Wrapping Machine.....	12
• Spiral Stretch Wrapping Machine.....	12





SHRINK TUNNEL MACHINE

The Shrink Tunnel is an essential part of any Shrink Wrapping System. It is here that the actual process of Shrinkage takes place. The product/ pack loosely wrapped in shrinkable plastic film shrinks & gets tightly wrapped around the pack. At AAREM you can also have a shrink tunnel tailor made to suit the size of your pack.

Since in a Shrink Tunnel Machine the wrapping of the film around the product/pack is done manually it opens the roads for film wrapping and sealing with the help of machines. The range illustrated now gives a combination of different types of Film wrappers (Sealers) with Shrink Tunnels



MACHINE FEATURES

- 500MM Long Input / Feeding, this facilitates easy loading of pack.
- Shrink Tunnel Conveyor of S.Steel Roller / High Carbon Steel Mesh type for long life.
- Tunnel conveyor speed is variable with the help of Geared Motor and V.F.A.C Drive.
- The Chamber is equipped with Re-Circulation of same Hot Air which reduces Heat Loss and hence Electric Power consumption reduces.
- High Speed Cooling Fans provided for fast re-crystallization of shrink film after the shrinking operation.
- Roller type / Flat type Collection Tray provided at the exit end for easy collection of shrink wrapped pack.
- Machine running cost very very low as compared to others.
- Machine construction is very Robust and Heavy Duty.

S.R. NO.	MODEL NO.	MAX PACK SIZE	MACHINE SIZE (L X W X H)	MACHINE WEIGHT (KGS)
1	STL / 300 X 200	300 X 200 MM (WXH)	2400 X 990 X 1650 MM	360 Kgs.
2	STL / 450 X 350	450 X 350 MM (WXH)	2750 X 1170 X 1800 MM	450 Kgs.

ABOVE PARAMETERS ARE APPROXIMATE AND SUBJECT TO CHANGE WITHOUT PRIOR INFORMATION.



BIG SHRINK TUNNEL MACHINE

The Shrink Tunnel is an essential part of any Shrink Wrapping System. It is here that the actual process of Shrinkage takes place. The product/ pack is loosely wrapped in shrinkable plastic film which shrinks & gets tightly wrapped around the pack. At AAREM you can also have a shrink tunnel tailor made to suit the size of your pack.

The Big Shrink Tunnel Machine is customised to suit your product size.



MACHINE FEATURES

- Tunnel Input / Feeding is of suitable length to facilitate easy loading of pack.
- Shrink Tunnel Conveyor of S.Steel Roller / High Carbon Steel Mesh type for long life.
- Tunnel Chamber length customised to suit Big Products.
- Tunnel conveyor speed is variable with the help of geared Motor and V.F.A.C Drive.
- The Chamber is equipped with Re-Circulation of same Hot Air which reduces Heat Loss and hence Electric Power consumption reduces. This is significant as in Big Size Tunnels the openings at Entry and Exit are also big.
- High Speed Cooling Fans provided for fast re-crystallization of shrink film after the shrinking operation.
- Machine running cost very very low as compared to others.
- Machine construction is very Robust and Heavy Duty.
- Aarem Big Shrink Tunnel is most suited for products like Mattresses, Plastic Dining Tables, Plastic Householdwares, Big Shipper Boxes etc.

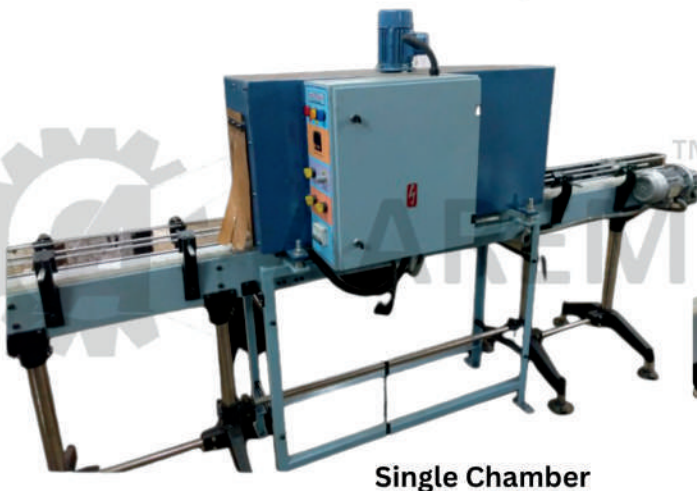


NECK / LABEL SLEEVING TUNNEL MACHINE

The Neck / Label Sleeve Tunnel Machine is used for Sleeve of the Neck/Label of the bottles, to make them tamperproof. We manufacture Neck Sleeve machines for all types of bottles P.P / HDPE/PET/Glass with different Neck Diameters & Bottle Sizes. The machines are equipped with appropriate adjustable guides to hold the bottles.

The machine is available with A. C Drive & D.C Drive models. This machine is provided with a controller which controls the heat at the point of application. These machines are equipped with safety guards and safety air vents.

The Label Sleeve Tunnel - Rotating Type is used for complete body label sleeve of Bottles with odd contours/ shape. This machine is essentially a Tailor-made machine designed to suit various bottle sizes of the same family or a cluster of shapes as per the need.



MACHINE FEATURES

- Long Input / Feeding, this facilitates easy loading of pack.
- Shrink Tunnel Conveyor of Slat type for better stability of bottles.
- Tunnel conveyor speed is variable with the help of geared Motor and V.F.A.C Drive.
- The Chamber is equipped with Hot Air circulation directed only at the Neck / Label portion to achieve a good quality shrink result.
- The Chamber is well insulated with Rockwool Slabs from all sides.
- Machine construction is very Robust and Heavy Duty.
- The Chamber where the actual shrinkage takes place is provided with Height adjustment to accommodate different heights of product.
- The Rotating Cups are designed for easy placement of product. The Cups can be customized made to suit a variety of product sizes / shapes in the same machine.
- Chamber length and Number of Chambers can be customised to suit Product Shape / Size and Line Speeds.



MINI SHRINK TUNNEL

The Mini Tunnel is used for small products, less space and low volumes.



**Stainless Steel
304 (GMP)**

MACHINE FEATURES

- Shrink Tunnel Conveyor of S.Steel Rollers for long life.
- Tunnel conveyor speed is variable for getting optimum shrink quality.
- Machine suitable for use with PVC / POLYOLY / LDPE Shrink films.
- Collection Tray provided at the exit end for easy collection of shrink wrapped pack.
- Machine provided with Castor Wheels for easy movement of machine.

SR. NO.	MODEL NO.	MAX PACK SIZE	MACHINE SIZE (L X W X H)	MACHINE WEIGHT (KGS)
1	MT / 250 X 125	250 X 125 MM (WXH)	1450 X 600 X 1500 MM	90 Kgs.

ABOVE PARAMETERS ARE APPROXIMATE AND SUBJECT TO CHANGE WITHOUT PRIOR INFORMATION.

SEAL N SHRINK CHAMBER

The Seal -N- Shrink Chamber used for low volume applications and for space constrained layouts.



SR. NO.	MODEL NO.	MAX. SEALING IN MM	MAX. HEIGHT OF PACKS IN MM.	MACHINE SIZE (L X W X H)	POWER
1	SNS / 200	550 X 425 MM	200 MM	1475 X 925 X 1200 MM	3KW SINGLE PHASE 220 VAC
2	SNS / 300	800 X 600 MM	250 MM	1975 X 1100 X 1275 MM	5KW THREE PHASE 440 VAC

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L - SEALER

The AAREM L-Sealer Machines are designed for operation ease & comfort. The film sealing/cutting & product transfer times are controlled electronically and can be varied as per the product application requirement



L - Sealer Magnetic



L - Sealer Pnuematic + PTA

MACHINE FEATURES

- Suitable for use with all types of shrink films like Polyoly, LDPE etc.
- Pnuematic Sealing Arm / Magnetic Sealing Arm Options.
- Both sealing arm options available with product take-away conveyor option.
- Easy and fast changing of sealing wire, so maintenance cost is five times lower.
- Top mounted sealing wire ensures operator safety
- Separately settable Sealing, Holding and PTA conveyor timings.
- Sealing product height adjustment designed for operator ease and fast changeover of different height products.
- Film opening and product loading table provided.

L-SEALER FOR LONG LENGTH PRODUCTS

Long Length L-sealer Tunnels, Customised Solutions also provided on request.





L - SEALER TUNNEL

A SEMI-AUTO and a FULLY AUTOMATIC L - SEALER TUNNEL MACHINE complete with Auto Product Feeding, Film unwinding wrapping and product transfer is also available to suit your requirements.



Stainless Steel 304 (GMP)

MACHINE FEATURES

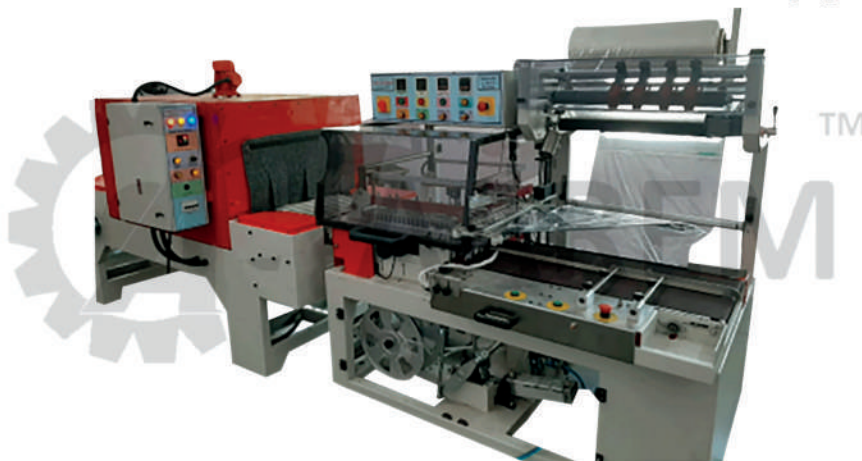
- Suitable for use with all types of shrink films like Polyoloy, LDPE etc.
- Pnuematic sealing arm with product take-away conveyoyr
- Pnuematic sealing eliminates dependence on operator efficiency and eliminates rejections due to sealing errors.
- Sealing blade cost low, so maintenance cost is five times lower.
- Top mounted sealing wire ensures operator safety.
- Separately settable Sealing, Holding and PTA conveyor timings.
- The tunnel opening height also gets automatically adjusted with adjustment of sealing height of the product table. This enables zero – zero transfer of pack from sealer to tunnel conveyor.
- Sealing product height adjustment designed for operator ease and fast changeover of different height products.

SR. NO.	MODEL NO.	MAX. SEALING SIZE (LxWxH)	MACHINE SIZE (L X W X H)	MACHINE WEIGHT (KGS)
1	LST / 200	450 X 300 X 150 MM	2200 X 725 X 1600 MM	300 Kgs.
2	LST / 300	600 X 450 X 225 MM	2750 X 1225 X 2050 MM	450 Kgs.

ABOVE PARAMETERS ARE APPROXIMATE AND SUBJECT TO CHANGE WITHOUT PRIOR INFORMATION.

AUTO L - SEALER TUNNEL MACHINE

Aareem Also Makes Automatic L-Sealer Tunnel Machine For Use With Polyoloyfin / LDPE Films.





SEMI AUTOMATIC WEB SEALER TUNNEL / SLEEVE WRAPPER

The Concept of Web Sealing is the most widely accepted concept the world over. It is used for various size packs, heavy in nature and mostly for batch production. Unlike the L-Sealer, here the film consumption per pack is lower and hence cost of film per pack is less. A Combination of Front and Side Sealer together is also available called the Partial U -Sealer Tunnel. Here the pack is sealed with film from all the sides before the Shrinking Stage.



Stainless Steel 304 (GMP)

MACHINE FEATURES

- Pneumatic Pushing of Product.
- Motorised unwinding of optimum Film for every pack saves a huge amount in Film Costs after per pack .
- Zero maintenance Cost for Sealing Arm.
- Logic Controller provided for automatic control of sequence of operations.
- 'Faults' if any are displayed on the Logic Controller. This reduces dependence on operator.
- Machine running cost very low as compared to others.
- Tunnel conveyor speed is variable with the help of geared Motor and V.F.A.C Drive.
- High Speed, Heavy Duty Cooling Fans provided at the exit end for fast re-crystallization of shrink film after the shrinking operation.
- Machine running cost very low as compared to others.
- Hot knife Sealing of Film which is controlled by individual temperature controller (Digital). The Sealing technology used in the machine gives Excellent and Consistent Seal Strength thereby eliminating Film Wastages.
- Tunnel conveyor speed is variable with the help of geared Motor and V.F.A.C Drive.
- High Speed, Heavy Duty Cooling Fans provided at the exit end for fast re-crystallization of shrink film after the shrinking operation.
- Machine running cost very low as compared to others.



FULLY AUTOMATIC WEB SEALER TUNNEL / SLEEVE WRAPPER

We make a fully AUTOMATIC MACHINE giving you the additional advantage of a higher output by using the minimum of Labour. The Automatic System shall be designed to suit your Product size, Product profile, Manpower requirement, Factory layout etc.



Cross Feed



90 Degree Left Hand Feeding



90 Degree Right Hand Feeding



Inline Feeding

MACHINE FEATURES

- Pneumatic / Motorised Pushing of Product is Customised as per application need.
- Motorised unwinding of optimum Film for every pack saves a huge amount in Film Costs as compared to others.
- Collation of the product to form a matrix can be given Inline / Crossfeed as per the Requirements of the Customer.
- Automatic Film Sealing and Cutting. Sealing Arm designed for Smooth and Trouble Free movement.
- Zero maintenance Cost for Sealing Arm.
- Holding of Pack / Bottles during the Film Wrapping Cycle.
- PLC provided for automatic control of sequence of operations.
- Hot knife Sealing of Film which is controlled by individual temperature controller (Digital). The Sealing technology used in the machine gives Excellent and Consistant Seal Strength thereby eliminating Film Wastages..
- The machine is designed keeping in mind Operating Safety with Guards,Covers provided where required. Doors with safety interlock given where required.
- Machine Speed can be customized as per application / customer demands for Online Production.
- Quality Documentation can be given on request.
- Machine can be given in Mild Steel or S.Steel 304 material of construction.
- Machine is designed indigenously keeping in mind local and global requirements.



AUTOMATIC SLEEVE WRAPPING MACHINE WITH COLLATOR

The Automatic Sleeve Wrapping Machine can be designed and made for use with Plastic Bottles, Glass Bottles, Vials, Blister Cartons, Shipper/ Outer Cartons, Plastic Articles, Books and many other products light/ heavy, big / small. Multilane Product Collator Feeding for Higher Output.

So if you are in the industry like Pharmaceutical, Stationary, Textile, Consumer Goods, Food Products, Beverage etc. then come to us for automisation of your shrink wrapping needs at economical prices.



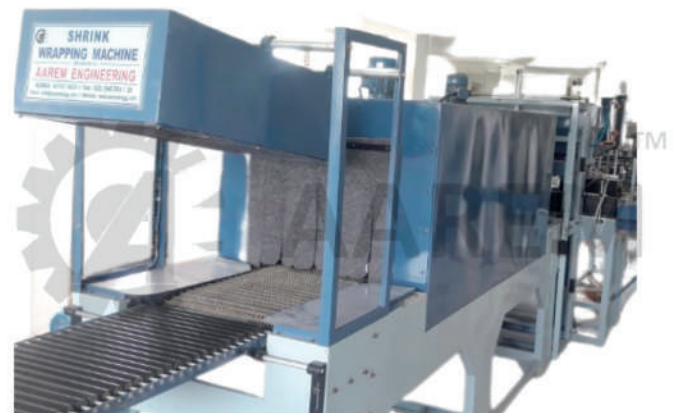
Single Lane
For Bottles



Inline Feeding
For Cartons



Multilane For Bottles - Inline Feeding



Stainless Steel 304 - 90 Degree Feeding

MACHINE FEATURES

- Customised machine to suit customer product and layout.
- Automatic Film Sealing and Cutting.
- Machine models suitable for low to high speed application for bottles, mono cartons, tube cartons etc.
- PLC given with all suitable safety interlocks for machine and operator.
- HMI provided for easy fault identification and fast response.
- S. Steel 304 MOC models as per GMP standards can be given.
- Film Wrapping and sealing mechanism is made suitable for optimum film wrapping and tension free film sealing for every cycle.
- Quality documentation can be given on request.



PALLET STRETCH WRAPPING MACHINE

The Concept of STRETCH WRAPPING as the name suggests entails the use of Stretch-cling Film. The Stretch Film is stretched to the required percentage and wrapped around the product/ pallet. The film clings to the previous layer of Film. The cycle keeps on repeating till the entire product/ pallet is covered with film.



MACHINE FEATURES

- Machine Is Indegenously Designed And Manufactured In India
- Automatic Sensing of Pallet Height
- Adjustable And Settable Film Overlap As Required
- Logic Controller Given For Automatic Cycle Operation
- Film Stretching Settable For Desired Stretching % Age
- Auto Unwinding of Additional Film Incase of Uneven Stacking of Products on Pallet.
- Customised Pallet Stretch Applications can be catered to by Aarem.



CARTON STRETCH WRAPPING MACHINE

The Carton Stretch Wrapping Machine unlike The Pallet Wrapping is mainly for individual products. The Carton Stretch Machine is a miniature version of the Pallet Stretch and replaces manual wrapping.

MACHINE FEATURES

- Machine provided with optional pneumatic top holder for holding of product / carton.
- Machine can be given with upto 300% film stretching option to minimise film cost per carton.
- Settable film stretching option provided.
- Auto stop of machine after every cycle. The cycle time is also settable.
- Adjustable film overlap.



REEL STRETCH WRAPPING MACHINE

The Reel Stretch Machine is a modified version made suitable to wrap circular / cylindrical products.



MACHINE FEATURES

- Machine Provided With Two Film Roll Carriages For Easy Changeover Of Product Size.
- Product Turntable Speed Adjustable With The Help Of A VFAC Drive.
- Product Self Rotation Speed Adjustable And Settable.
- Mechanical Stretching of Film Roll.
- Auto Stop of Machine After Every Cycle
- Combo Machine Available With Option For Cartons on Request.

For Heavy Products

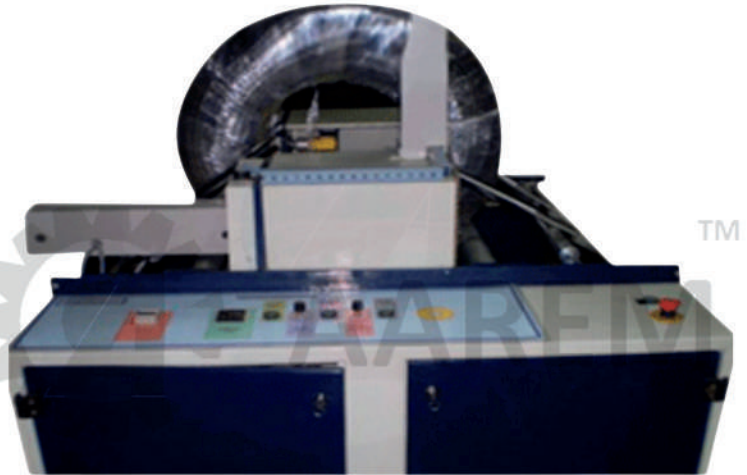


COIL STRETCH WRAPPING MACHINE

The Coil Stretch Wrapping Machine is for circular /ring shaped products. Here the product is wrapped totally with the film and also keeps the Core/ I.D. of the ring hollow.



Horizontal Product Loading



Vertical Product Loading

MACHINE FEATURES

- Settable Film Overlap
- Settable Cycle Time
- Automatic Cutting Of Film After Every Cycle
- Automatic Holding Of Film For The Next Cycle
- Easy Film Roll Changing
- Customised Solutions / Automation Available On Request

SPIRAL STRETCH WRAPPING MACHINE

The Spiral Stretch Wrapping Machine is mainly for use for long length products. This is a mechanised solution for longer length products which hither to have to be wrapped manually.



Semi Automatic Spiral Stretch Wrapping Machine



Automatic Spiral Stretch Wrapping Machine

MACHINE FEATURES

- Settable Film Overlap
- Settable Cycle Time
- Automatic Cutting Of Film After Every Cycle
- Automatic Holding Of Film For The Next Cycle
- Easy Film Roll Changing
- PLC Provided With Display For Controlling Sequence Of Operation And Fault Indication
- Customised Solutions / Automation Available On Request

If you have not found "YOUR" machine or the answer to your requirements here that does not mean we are unable to help you. It's possible that your problem represents an interesting challenge to us and hand in hand with you we will arrive at the right solution.



APPLICATIONS

The concept's of Shrink Wrapping and Stretch Wrapping have Applications across a wide spectrum of Industries like Plastics, Stationery, Pharmaceuticals, Electronics, Cosmetics, Food & Beverages, Textiles, Automobile, Distillery etc. Some of the Industry wise applications are :-

Plastic Industry : Water Bottles, Fridge Bottles, Plastic Containers, Tiffin Box, PP Rope Coils, Flexible Pipe Coils, Hose Pipe Coils, Drip Irrigation Cable Coils, Water Tanks, Empty PET / HDPE / PP Bottles, Plastic Profile Bundles etc.

Stationery : Note Books, Diaries, Copier Paper, Cards, Files, Paper Ream Bundles, Marker Pens, Combo Packs etc.

Pharmaceuticals : Liquid / Syrup Bottles, Tablet Cartons, Ointment Tubes, Inner Cartons, Shippers etc.

Cosmetics : Aerosols, Shampoo / Hair Oil Bottles, Gift Hampers, Perfume Mono Cartons, Cream Containers etc.

Textiles : Fabric Rolls, Takas, Yarn Cones, Shipper Cartons etc.

Food & Beverages : Packaged Water Bottles, Juice / Carbonated Drink Bottles, Flavoured Milk Bottles, Tetra bricks, Cans, Spice / Masala Cartons, Outer Cartons, Hing / Ketchup / Pickle / Jam Bottles Etc.

Automobile : Gaskets / Outer Cartons, Engine Parts, Filters, Automobile Tyres, Automobile Batteries etc.

Electronics : CD's, Software Packages, Mobile phone boxes, Mobile accessories packs, Electronic Device Packs etc.

Engineering : Welding Rod Cartons, Ball bearing cartons, Fastener Cartons, Components and Component Cartons, Electrical Switches & Fixtures, Copper Tubes and Rods, C.R. / H.R. Coils, Rubber Rolls, Aluminium Profile Bundles, Inverter Batteries etc.

Distillery : Liquor Bottles Individual and Group , Beer Bottles and Cans etc.





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