



AARVI
ENGINEERING

Packing Solutions at One Spot



Mfg. of Packaging Machinery and
Providing of all types of Automation Solution

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Uneven
Empty Bottles



Unscrambler
Machine



Washing Machine
(Air / Water)



Liquid Filling
Machine



Capping
Machine



Labeling or Sleeve Shrink
Machine



Shrinkage
Machine



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About Us

We are one of the leading manufacturer, exporter & supplier of Automatic Packaging Machinery. We are having complete technical knowhow & technical expertise which makes us differ from other. We are provide technical guidelines to our current as well as prospective clients. We always ready to fulfill customer's requirement with positive approach.

Why we are ?



Our quality products are consisting of **Superior Design** and **Latest Technology** with **High Graded Raw Materials**. These are acknowledged for their **Efficiency and Durability**. The organization is equipped with all the required facilities to manufacture quality products that are at par with changing market trends.



Our Products



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- ➔ Automatic Single Side Sticker Labeling Machine
- ➔ Automatic Round Bottle Labeling Machine
- ➔ Automatic Double Side Sticker Labeling Machine
- ➔ Automatic Top/Bottom Labeling Machine
- ➔ Hologram/Label Applicator
- ➔ Shrink Sleeve Label Applicator
- ➔ Heat Shrink Tunnel
- ➔ Automatic Bottle Unscrambler
- ➔ Automatic Volumetric Liquid Filling Machine
- ➔ Automatic Screw Capping Machine
- ➔ Semi Automatic Labeling Machine
- ➔ Semi Automatic Liquid Filling Machine
- ➔ Semi Automatic ROPP Cap Sealing Machine
- ➔ Online Visual Inspection Table/Turn Table
- ➔ Packing Belt/Slate/Roller Conveyor
- ➔ Turn Table



- Pharmaceutical
- Dairy
- Agriculture
- Pesticides
- Packaging
- Distilleries
- Beverages
- Food & Oil Industries
- Cosmetic
- Dyes & Chemical

PRODUCT APPLICATION



Automatic Single Side Sticker Labeling Machine -AESL 100/200/300



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AESL 100/200/300 is a fully Automatic Single Side Sticker Labeling Machine. This model is suitable to apply full/partial self adhesive labels on different size of round shape container having all surfaces.

The **AESL 100/200/300** is one of the most user friendly, fully protected and almost maintenance free.

A sophisticated label dispenser system synchronizes all the labeler components, allowing the speed to be regulated with a single point and maintaining precise labeling even during start-up, stopping or slow down stages, synchronized with the entire line.

Capability of this model is labeling **up to 300BPM** depending on products and label size.



Salient Features :

- S.S. 304 construction including main machine frame
- S.S. 304 Slat chain conveyor
- Very smooth and high speed of operation
- On-line speed can vary at single point
- Accurate label placement
- Vibration Free label Roll opening unit
- Built in AC Freq. drive system
- Built in Product counter
- Suitable for round shape container-Glass, Plastic, HDPE, Pet, Tin etc.

Optional Features :

- **Label Roll Empty** : Machine stop with Alarm
- Acrylic cabinet
- **Missing Label** : Machine stop with alarm or online pneumatic operated product rejection system
- **Tower light** : Indicate the status of process
- Online Printer
- Online Vision inspection of printing and Batch no.
- Servomotor instead of stepper motor-for high speed application.

Product Details:

Body Material	Stainless Steel
Voltage	220 V AC
Power Source	Electric
Capacity	200-300 Bottles per minute
Automation grade	Automatic
Brand	Aarvi Engineering





AEDL 100/200/300 is fully automatic double side sticker labeling machine. This model has been designed to apply one, two or more front/back self adhesive labels on different size of flat/round/elliptical shape containers.

Both label dispensers operates independently hence that can be used different of size label on either sides.

Fully synchronize label dispenser system with all the labeler components, allowing the speed to be regulated with a single point and maintaining precise labeling even during start-up, stopping or slow down stages, synchronized with the entire line.

The **AEDL 100/200/300** is one of the most user compatible fully protected and almost maintenance free. Capability of this model is labeling **up to 300 BPM** depending on products and label size.

Salient Features :

- S.S. 304 construction including main machine frame
- Both label dispensers indendebtly
- Labeling of one or more sides with multiple labels.
- Very smooth and high speed of operation
- Online speed can be vary at single point
- Fully password protected (Not required by operator)
- Built AC Freg. drive system
- Accurate label placement
- Built in Product counter
- Suitable for Glass, Plastic, Pet, Tin Corrugated Containers.

Optional Features :

- Label Roll Empty** : Machine stop with Alarm
- Missing Label** : Machine stop with alarm or online pneumatic operated product rejection system
- Tower light** : Indicate the status of process
- Online Printer
- Online Vision inspection of printing and Batch no.
- Servomotor instead of stepper motor-for high speed application.



Product Details:

Model	AVDL 100/200/300
Direction of Movement	Left to Right
Out put/min	Up to 100 -200 -300
Power Supply	1 Phase, 230V, 50Hz AC Supply

* Depends on container and label size.

Specification can be altered as per customer specific requirement.

Automatic Top/Bottom Labeling Machine. -AETBLE



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AETBLE unique model is suitable for applying label on multiple side of pouch, carton or any various sizes of small containers.

The **AETBLE** is especially designed for surface labeling operation with versatility & user friendly.

Advance technology label dispenser system synchronizes all the labeler components, allowing the speed to be regulated with a single point and maintaining precise labeling even during start-up, stopping or slow down stages, synchronized with the entire line.

Container feed into the stacker, in feed system takes container from the stacker and moves on the conveyor, a sensor is detects the container as it comes down to conveyor and sticking the label at the proper position and time.

To change the Labeling speed online with the help of single speed pot provided on control panel. You can incorporate with assembly line or other packing line to get a high efficiency.

The unique system creates smooth label application operation and helps in achieve high speeds.



Salient Features :

- S.S. 304 construction including main machine frame
- PVC belt conveyor
- Automatic stacker unit for auto feeding the container
- Very smooth and high speed of operation
- Online speed can be very at single point
- Accurate label placement
- Vibration free label roll opening unit
- Built in AC Freq. drive system
- Built in product counter
- Suitable for pouch, small size of boxes or container.

Optional Features :

- **Label Roll Empty** : Machine stop with Alarm
- **Tower light** : Indicate the status of process
- Online Printer
- Online inspection of printing and Batch no.
- Servomotor instead of stepper motor-for high speed application.

Product Details:

Model	AVTBLE
Direction of Movement	Left to Right
Out put/min	Up to 100 -200 -300
Power Supply	1 Phase, 230V, 50Hz AC Supply

* Depends on container and label size.

Specification can be altered as per customer specific requirement.





AESSA 100 / 200 / 300 is design to insert sleeve with desired position on various size and shape of containers. This unique model is suitable for variety of industries with an opportunity to reduce labour and increase manufacturing rates.

The machine having integrating functions of delivering & classifying containers, accurate cutting of label sleeving and proper positioning of sleeve on bottle.

AESSA 100/200/300 is constructed on sturdy welded steel frame completely enclose in S. S. sheet doors and aluminum alloy.

The unit consisting of Sleeve roll loader-carrier assembly, Conveyor bottle separating assembly, Center pillar, Bottle positioning mechanism, Cutter mechanism, Optical scanner, Controlling assembly and Brush assembly etc.

This model operates with great simplicity, high efficiency and minimal maintenance with production capacity **up to 300 BPM.**

Salient Features :

- Rigid Structure constructed S.S. and anodizing aluminum alloy
- Fully automatic machine with speed up to 300 BPM
- No bottle no sleeve
- Statics charge elimination system for accurate sleeve placement
- Totally PLC Control system
- No tools required for changeovers from one size bottle to another
- Servo based high speed with accurate length sleeve feeding and rotary sleeve cutter system
- Online speed can vary & fully synchronized with all mechanism
- Suitable for various shape of Glass, Plastic, Pet Tin, Corrugated containers.

Optional Features :

- Sleeve Label Roll Empty : Machine stop with Alarm
- Missing Sleeve label : Machine stop with alarm or online pneumatic operated product rejection system
- Tower Light : Indicate the status of process
- Online Printer.

Model	AESSA 100	AESSA 200	AESSA 300
Output/Min.*	Up to 100	Up to 200	Up to 300
Container Size	ø 28mm - ø 125mm, 320mm Height Max.		
Length of Sleeve	30mm - 250mm		
Thickness of Sleeve	0.035mm - 0.75mm		
Label Material	PVC, PET, OPS, PLA		
Sleeve Roll Inner Dia.	≥4" (101.6mm)		
Sleeve Roll Outer Dia.	400mm		
Height of Conveyor**	860-910 mm		
Electrical Rating	1.5KW-2KW, 380V AC, 50/60HZ, 3- Phase		
Change Parts**	(A) Center Pillar (B) Worm (C) Cutter		



* Depends on container and sleeve label size. ** Can be supplied as per customer requirements. Specification can be altered as per customer specific requirement.

Steam Heat Shrink Tunnel -AESST



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AESST-Steam Shrink Tunnel is employed for shrink sleeve label and tamper evident band application for a middle, full body and cap shrink applications. This can be manually controlled through the regulating valve.

This enables and even shrinking of the sleeve onto the product. Multiple steam zones and adjustable tier manifold direct steam heat were needed to produce a precise, high-quality finish appearance of PVC, PETG, OPS, and PLA labels and neck bands. Tunnel steam zones can be independent to ensure a quality finish regardless of container shape of size.

Salient Features :

- New cantilevered design: Standard height adjustable, cantilevered frame for long lasting operation and added flexibility.
- Maintenance friendly Side panels on both sides give easy accessibility to the inside of the tunnel.
- Modular: Available in 3-6-zone configurations.
- Simplified steam manifold and independently adjust and control steam flow.
- Flexibility : Four axis adjustments allow for high quality shrinks on a wide variety of container shapes and size.
- Excess steam • exhaust: Air blower with adjustable steam exhaust window.



Electrical Heat Shrink Tunnel -AEEST

AEEST- Electric Heat Tunnel is designed specifically for shrink sleeve labeling, tamper evident banding and moisture sensitive products.

AEEST is designed dual-wall, heavy gauge stainless steel. This construction specification lets hot air circulate for greatest efficiency, while protecting operators from high heat.

High quality electric heating elements provide uniform heat distribution to ensure a quality finish on a number of films including PVC, PETG, OPS and PLA.

Two independent air flow controls allow air flow in two separate zones. The almost infinite air flow adjustment paired with accurate, consistent digital temperature control make the **AEEST** an extremely versatile shrink tunnel.

Salient Features :

- S.S. 304 Construction including machine frame
- High quality electric heating elements to focus heat
- High speed convection blowers.
- Safe-Duble shell design keeps outer temperatures of machine cooler
- Energy saving insulation with cool to touch panels.
- Two independently controlled heating zones.

Optional Features : Access doors to adjust heat patterns while in operation • Variable speed adjustable convection blowers



Semi Automatic Liquid Filling Machine -AESALF



AESALF is working on volumetric principle. This economic, compact and versatile model is generally used in small or medium industry.

AESALF consisting of sturdy welded steel frame completely enclose in stainless steel sheet and doors are provided to facilitate the servicing of machine.

Containers have to place one by one manually below the filling nozzles at platform of machine. The motor operated syringes fill desire pre set volume in container, bottle guide are provide for precisely match for centering of container below nozzles, to avoid spillage of liquid on container.

The dosing block with a hexagonal bolt fitted below syringes. This means fill size can be easily set.

Salient Features :

• Semi automatic with filling range from 5 ml to 1000 ml. • Accuracy $\pm 1\%$ in single doze • Body covered with S.S. sheet • All contact parts S.S. 316 • A unit to fill variety of liquid and can be used for various type of containers • Minium charge over time from one size to another container or fill size

Semi Automatic Screw Capping Machine

AESRCS is very compact, low-cost and user friendly capping machine. This model is suitable for capping and sealing of **ROPP** caps on the bottle particular for slow speed application.

This unit required manually feeding and unloading of container.

Previously filled bottles are manually fed, where the body and the neck of the container are positioned below the rotating head, and sealing head is performing perfect operation of capping with uniform torque.

The sealing head consist of total four rollers. Two rollers properly Skirts, Spins and Seals the cap and simultaneously another two rollers performs perfect threading according to bottle neck diameter. After sealing operation, sealing head moves upward with help of cam and unload the sealed bottle.



Salient Features :

• S.S. elegantly matt finished body • Very compact & versatile model • Built in front control panel • Easy to set and no change parts require for different container diameter gauges and size of caps • Less vibration, low noise level, low power consumption • S.S. cladding or hard chrome plating of all exposed parts to ensure long life and resistance against corrosion

Automatic Volumetric Liquid Filling Machine -AEVLF 100/150/200



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AEVLF 100/150/200 works on volumetric principle with diving nozzles. This versatile unit is suitable for filling various viscosity liquid into the container.

The unit is consisting of S.S. slat conveyor, reciprocating nozzle with self-cantering devices & S.S. syringe with S.S. body.

Empty containers moving on S.S. slat conveyor, stop through settable twin pneumatically/mechanically operated stopper system below the filling nozzles and meantime container accurately filled by filing nozzle.

The container can be easily and precisely match below the nozzles by help of twin pneumatically operated stopper system and reciprocating nozzles which is avoid spillage of liquid on container. The liquid dose can be easily set by block with a hexagonal bolt fitted below syringes.



Salient Features :

- Rigid vibration free construction, low noise and low power consumption • $\pm 1\%$ filling accuracy on single dose • Elegant and easy control panel for total control on operation • Self lubricating UHMW-PE guide profile for S.S. slat chain provides low friction wear surface, smooth and noiseless conveying • Drip tray under the conveyor • Pneumatic/Mechanical bottle stopping arrangement • Safety guard for conveyor gear box, motor and pneumatic cylinders • Nitrogen flushing system provided (Pre or Post as required by customer).

Optional Features :

- Automatic chain washing system for conveyor belt • in built pre-inspection • Acrylic cabinet • Nitrogen flushing • Float tank (Holding tank) with or without stirrer.

Model	AEVLF - 100	AEVLF - 150	AEVLF - 200
Output/Hour*	2400 to 6000	3600 to 9000	5000 to 12000
Direction of Movement		Left to Right	
Number of Head/Syringe	4 Nos.	6 Nos.	8 Nos.
Fill Size***	5 ml to 1000 ml		
Electrical Specs. **	Main Machine	1 HP /415 Volts / 50 Hz.	
	Conveyor	0.5 HP /415 Volts /50Hz.	
Height of Conveyor	860 mm to 910 mm Adjustable.		
Change Parts Required	(A) Syringes (B) Nozzle (C) Inlet & Outlet Hose Pipe		

* Depends on size, shape and Neck Dia. of container, Fill volume and nature of liquid etc.

** Can be supplied as per customer requirements. • *** With help of change parts.



Automatic Screw Capping Machine is versatile, high efficient & compact model. The **AESC 60/100/150/200** model is suitable for capping of pre-threaded cap on various sizes of bottle.

A self supported on stainless steel frame structure with height adjustment system. The machine is constructed on sturdy welded steel frame completely enclose in stainless steel sheet and doors.

Previously filled container moving on conveyor belt are feed into an in-feed star wheel, bringing the container below the sealing head in the subsequent indexing part, mean while the rotating head pickup a cap from the cap star wheel which is receiving from delivery chute of cap filling bowl, where the body and the neck of the container are positioned below the rotating head, where the sealing head is performing perfect operation of sealing, rotating head is design to seal container according to pre-set torque.

Salient Features :

- No Container no cap arrangement • Single motor synchronizes conveyor, star wheel & Platform turret • Adjustable height of conveyor belt • All contact parts are made out of stainless steel • Torque adjustable • Low noise level, Low power consumption

Optional Features :

- Motorized height adjustments • Acrylic cabinet • Safety guard for operation and protection • Specially designed hopper is to increase storage capacity of bowl • Pick & place arrangement.

Model	AESC - 60	AESC - 100	AESC - 150	AESC - 200
Output/Hour*	1000 to 3000	2400 to 6000	3600 to 9000	5000 to 12000
Direction of Movement	Left to Right			
No. of Head	1 No.	4 Nos.	6 Nos.	8 Nos.
Ht. of Conveyor**	860 mm to 910 mm			
Change Parts Required	(A) Container : Star Wheel, Center Guide, Feed Worm. (B) Cap Dia., Delivery Chute, Bowl.			

Input Specification :

Screw Cap	Diameter	22 mm to 56 mm
Specification***	Height	15 to 18.3 mm
Power Requirement	1.5/2 kW 440 V, 3 Phase (4 Wire System) 50Hz AC supply	

* Depends on size, shape and Neck Dia. of container.

** Can be supplied as per customer requirements. • *** With help of change parts.

Hologram/Label Applicator -AEHLA



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AEHLA is stand alone portable sticker labeling machine. The **AEHLA** is suitable for various types of label and film sticking on container when required higher volume and label on conveyor line.

This economic model incorporates advance label dispensing system and capable of labeling up to 300 Lable/Min. depending on Length.

The high performance label dispenser incorporates advance microprocessor-controller to be installed in very fast packaging lines.

You can incorporate with assembly line or other packing line to get a high efficiency. The unique system creates smooth label application operation and helps in achieve high speeds.



Salient Features :

- Very Smooth and high speed of operation
- Speed can be vary at single point
- M.S. powder coated stand
- Fully password protected (Not required by operator)
- Output up to 200/300/Min
- Accurate label placement
- Built in product counter.

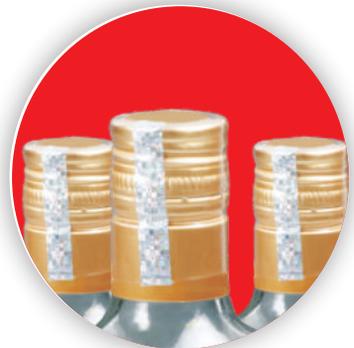
Optional Features :

- **Label Roll Empty** : Machine stop with Alarm
- **Missing Label** : Machine stop with alarm
- Servomotor instead of stepper motor-for high speed application.

Product Details:

Model	AEHLA
Direction of Movement	Left to Right
Out put/min	Up to 300
Power Supply	1 Phase, 230V, 50Hz AC Supply

* Depends on container and label size.
Specification can be altered as per customer specific requirement.



Semi Automatic Sticker Labeling Machine -AESASL



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AESASL is very compact, low-cost self-adhesive label applicator. This machine is suitable to apply full/partial self adhesive label on various size of round bottle. This Model is specially design for low production capacity for light industry.

The **AESASL** can apply labels up to 160 mm in width to products of variable diameter from a minimum of 25 mm to a maximum of 110 mm.

The **AESASL** operation requires the operator to manually place the bottle in the labeling position then activate the control lever. Roller rotates the product and applies the label until full adhesion has occurred. The sliding ball guides permit precision labeling, significantly facilitating manual product positioning operations.

The **AESASL** is one of the most user-friendly, simple in construction and almost maintenance free. It applies advanced labeling agencies to ensure that the labeling accuracy.



Salient Features :

- Compact in size - Table top application
- Consisting of M.S. powder coating material
- Most user friendly and almost maintenance free
- Very smooth and vibration free operation
- Suitable for round shape bottle.

Optional Features :

- online printer

Product Details:

Model	AESASL
Out put/min	25-35
Label Width	25 mm to 160 mm
Container Size	Dia 27-110 mm. H : 35-270 mm
Power Supply	1 Phase, 230V, 50 Hz AC Supply

Specification can be altered as per customer specific requirement.



Turn Table -AETT



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Turn Table -AETT is which is familiar as Scrambler and Unscrambler. Turn table are available in different size with variable / fixed gear drive mechanism, which is make total synchronization with the line processing equipments and ensure uniform flow of container and to take a turn at 90 degree to suite different machine.

This is consisting of stainless steel frame, solid guide rail and reduction gear box for jerk less and noiseless performance.

We can also provide VFD (variable frequency drive) for variable speed.

Container feed in turn table by manually or automatically will rotate on disk of turn table and exit through outlet. For the period of rotations S. S. strip will guide the container towards and obtained uniformly flow of the containers.

Model	AETT - 24	AETT - 30	AETT - 36	AETT - 42
Size	24" dia.	30" dia.	36" dia.	42" dia.
Direction	Clockwise / Anti clock wise as per requirement.			
Power Characteristics**	0.5 HP/415 V/50 Hz AC Supply			
Power Supply	3 Phase 440V, 50 Hz AC Supply			

* Depends on bottle size, cap size and type of cap. • ** We can supply as per customer requirements.

Salient Features :

- Uniform flow of container
- Full body, constructed by S.S. 304 materials
- Suitable for various of container
- jerk free and noiseless Operation

Optional Features :

- Castor Wheel with lock easily transportation
- Variable Frequency Drive for speed variable
- Extra tray for loading or unloading of container.

Our Other Products

Online Visual Inspection Table



Slate Conveyor



Packing belt conveyor



Roller Conveyor



The Following is a list of the Companies we serve



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