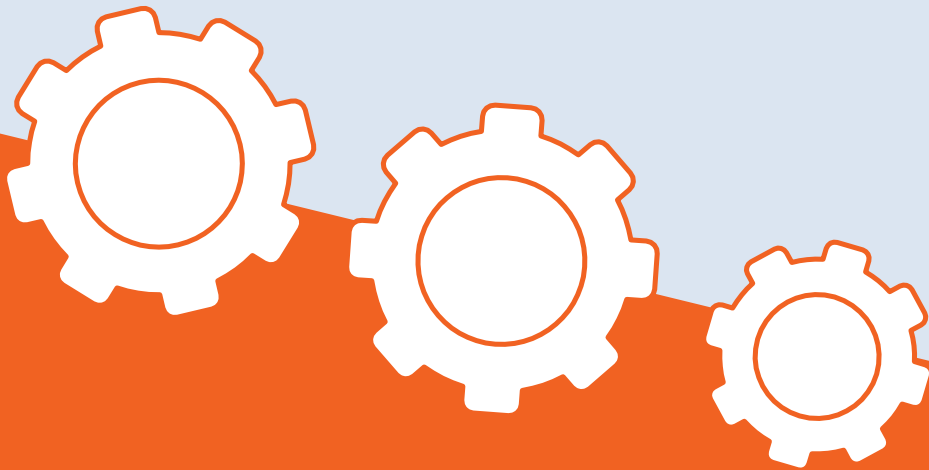


# V. L. ENGINEERS



**A Reliable Choice for Packing Machines**



# We always deliver more than expected!

Rely on us.....

**V.L.ENGINEERS Auto Machines** offers far more benefits over the traditional rigid packaging machinery solutions. Our machines can be used for all kind of industries such as Pharmaceutical, Cosmetic, Chemical, Engineering, Oil and other food or non-food industries. Using these machines can certainly increase your overall output, improve quality and enhance efficiency on multiple levels.

Whether you are looking for Labeling, Wrapping or filling machines, **V. L. Engineers** Auto Machines can deliver the finest machine products to you that can help you to enhance your production output. It is our efficiency in providing the market with top notch packing machines. We provide complete support to customers, from consultation and customized machine development to production of quality machine, complemented with extensive after sales service. High production rates, maximum accuracy and consistent quality as per client's requirement are hallmarks of **V.L.Engineers** Auto Machines.

When you are looking for a packaging machine for your company, simply get in touch with us and discuss your needs and we will be able to guide you to the best products. Being the team of young and quality Engineers we can deliver you top quality machines that enable you to make the best use of your available resources and increase your output.

# FILLING MACHINES

## Liquid Filling Machines - Automatic



### Linear Flow meter Filling Machine

#### OVERVIEW

Bottles moving on SS Slat chain conveyor, feed below the filling nozzles through a settable twin pneumatically Operated stopper system. The twin pneumatically operated stopper system and reciprocating nozzles can precisely match, for centering of bottle below nozzles, to avoid spillage of liquid on bottle. To minimize foaming adjustable nozzle will reciprocate according to filling dose, nozzle will go upwards slowly from bottom level of bottle towards neck during filling. The dosing block with a hexagonal bolt fitted below syringes. This means fill size can be easily set. This is an applicable for Lubricate oil and Pesticides etc.

#### TECHNICAL SPECIFICATION

Output/Hour: 3600 to 4800 Bottles per Hour.

- Direction of Movement: Left to Right.
- Number of Heads/Syringes: 2/4/6/8/10 Heads Machines Available.
- Volume can be Filled: 10 ml to 1000 ml (With the help of change parts)
- Electricals Specification Main Machine: 1 HP/415Volts/50Hz.
- Conveyor 0.5HP/415Volts/50Hz.
- Volume can be filled 500ml to 5000ml (with the help of change parts)
-



## Linear Servo Pump based Filling Machine

### OVERVIEW

Servo-Driven Pump Filling Machine from Reliable can fill up to 12 containers at the same time with virtually any product from thin and foamy to thick and stringy. It is recommended for a wide variety of products including cosmetics, personal care, food and beverages, chemicals, pharmaceuticals and more. Built on a heavy-duty stainless steel frame with quality tig-welded construction, this top-of-the-line Filler features anodized aluminum plate or block components to ensure a long life in the harshest environment. The standard stainless steel pumps available with Teflon or Viton elastomers, are easily reversed for string retraction and drip prevention. Modulating speed control for each pump provides a clean fill, even with foamy products. Our Servo Pump based Filling Machine at an affordable cost will definitely increase your product yields and production rates with volumetric accuracy, quick and flexible changeovers, and high speed filling at multiple stations giving you a quick return on investment

### TECHNICAL SPECIFICATION

Output/Hour: 3000 to 4800 Bottles per Hour.(Depend upon the number of head)

Direction of Movement: Left to Right.

- Number of Heads/Syringes: 2/4/6/8/10/12 Heads Machines Available.
- Volume Can be Filled: 100 ml to 1000 ml (With the help of change parts)
- Electricals Specification Main Machine: 1 HP/415Volts/50Hz.
- Conveyor 0.5HP/415Volts/50Hz.
- 
-



## Rotary Filling Machine

### OVERVIEW

This machine is a continuous movement system comprised of circular stations. Containers move through the machine by various components, such as an infeed star wheel, a transfer wheel, and an exit wheel. Each circular station has a specific function, such as filling, nitrogen dosing, micro-filling, capping or transferring. A filling station is equipped with a nozzle through which the product flows until it reaches a pre-defined weight and then the weight scale signals the nozzle to close

### TECHNICAL SPECIFICATION

Output/Hour: 4800 to 6000 Bottles per Hour. (Depend upon the number of Head)

- Direction of Movement: Circular
- Number of Heads/Syringes: 6/8/12 /24 Heads Machines Available.
- Volume Can be Filled: 250 ml to 1000 ml (With the help of change parts)
- Electricals Specification Main Machine: 1 HP/415Volts/50Hz.
- Conveyor 0.5HP/415Volts/50Hz.
- Air conveyor

# FILLING MACHINES

## Liquid Filling Machines - Semi-Automatic

---



### Hopper Piston Based Filling Machine/ Syringe based filling machine

## OVERVIEW

The bottles are feed on the conveyor from feeder table (optional). The bottles are conveyed in single line directly in loading position for Automatic Filler. The pneumatic controls allow a group of bottles to move under the filling nozzles & hold the same in position till the filling is over. As soon as filling is over, the next set of bottles are released for filling operation. The filling quantity is independently adjustable for each head. Change parts for filling are provided and can be changed in little time. Product level control i.e. High / Low level signals are provided.

## TECHNICAL SPECIFICATION

Output/Hour:1200 to 1500 Bottles Per Hour.

Direction of Movement: Left to Right.

- Number of Heads/Syringes: 2/4/6/8/10 Heads Machines Available.
- Volume Can be Filled: 10 ml to 1000 ml (With the help of change parts)
- Electrical Specification Main Machine: 1 HP/415Volts/50Hz.
- Conveyor 0.5HP/415Volts/50Hz.
- Optional:-Servo Based Volume adjustment.
- 
-



## Auger Based Powder Filling Machine

### OVERVIEW

Servo Based Filling Machine. Total Compact c GMP model.

- All parts and assemblies coming in contact with powder and rubber stopper are made of S.S.316 and easily removable for mandatory Autoclaving / Sterilization. “NO BOTTLE, NO FILL” System eliminates wastage of costly powder. Conveyor driving is through High quality imported Gear motor. Machine speed can be adjusted by A.C. Frequency drive, which is time saving.

### • TECHNICAL SPECIFICATION

Direction: Left To Right.

Number of Head: Single Head and Double Head Machines available.

- Production Rate: Up to 20 to 30 Bottles per Minute (Depends up on the Volume to Fill) Fill
- Capacity 10 grams to 500 Grams (With the Help of Different Set of Change Parts such Auger Screw, Funnel, etc)
- Accuracy  $\pm 2\%$  depending upon consistency and the Uniformity of bulk density of powder under Controlled level of Humidity (i.e. 35%)

•





## Weight Metric Filling Machine

### OVERVIEW

High Accurate Weight Metric Machine with Low wastage Disposal. It is Semi-automatic, Compact & Robust Machine and is Easy to operate & maintain. Air Compressor Require to operate it. Machine is highly appreciated for low running cost, smooth operation, compact design and easy installation. The offered machine is available in different specifications as per the application requirements of the clients.

### TECHNICAL SPECIFICATION

Filling System: Weigh Metric Vibrator Type.

Model Available: 10 gm to 100 gm, 100 gm to 1 Kg,

- Speed: 5 to 15 Fill / Minute (Depends on volume & characteristic of product)
- Head: two head / four head Nos.
- Machine Operating System: Pneumatically.
- Machine Suitable for: Pouch / Container
- 
-

## Semi and Automatic Capping Machines

---



### Rotary Capping Machines

#### OVERVIEW

V.L. Engineers Rotary capping machines are extremely flexible and multipurpose and are able to work with any kind of closure, from screw on to snap on cap, from dispenser to trigger pumps and push-pull cap. They are also modular as they can be integrated with different new bottles and caps at a later time. These machines are able to work with different kind of containers, from the smallest ones, which are typical of cosmetic and pharmaceutical industry, to the biggest tanks for oil or detergents. It is possible to adapt the layout of the machine to customer's needs so that the machine is completely customizable: for example, the machine can work clockwise or anticlockwise, the cap feeder can be mounted above or beside the machine according the kind of cap to be worked and the production speed required.

#### TECHNICAL SPECIFICATION

Output/ Minute: 40 to 60 Bottles per minute.

Number of Head: 2 to 6 head

- Direction : Left to Right
- Electric Supply : Single Phase
- Conveyor Height: 750 mm to 840 mm Adjustable. Conveyor Length: 6 Feet to 10 Feet.
- (Depending Upon Requirement and Heads)
- Bottle Cap Size: 20 mm Dia to 75 mm Dia (with the help of change parts).

●



## Linear Servo Based Capping Machine

### OVERVIEW

Our Linear Capping Machine is manufactured using advanced technology and can be used for capping different kinds of bottles. Caps are individually picked up by the mechanical swing arm and moved to the capping head. The container then moves under the capping station as the cap is accurately placed and torqued onto the bottle threads. This machine can be easily integrated and customized for various production speeds and caps sizes. The machine can be used for various industries like Chemicals, Food Products, Edible Oils, Paints, Lubricants, and Pharmaceuticals etc.

### TECHNICAL SPECIFICATION

- Output/ Minute: 40 to 60 Bottles per minute.(Depend upon to the Heads)
- Number of Head: 2 to 8 head
- Direction : Left to Right
- Electric Supply : Single Phase
- Conveyor Height: 750 mm to 840 mm Adjustable. Conveyor Length: 6 Feet to 10 Feet.
- Bottle Cap Size: 20 mm Dia to 75 mm Dia (with the help of change parts).
-



## Single Head ROPP based Capping Machine

### OVERVIEW

Automatic Single Head ROPP Capping Machine is versatile, self-supported on stainless steel legs with Height adjustable system. The machine is precisely built on sturdy welded steel frame. Complete enclosed in stainless steel sheet and doors are provided to facilitate the servicing of machine.

### TECHNICAL SPECIFICATION

Output/ Minute: 15 to 25 Bottles per minute.

- Number of Head: Single Head
- Direction : Left to Right
- Electric Supply : Single Phase
- Conveyor Height: 750 mm to 840 mm Adjustable. Conveyor Length: 6 Feet to 10 Feet.
- (Depending Upon Requirement and Heads)  
Bottle Cap Size: 20 mm Dia to 75 mm Dia (with the help of change parts).
-



## Plug Press Capping Machine

### OVERVIEW

Plug Pressing Capping Machine consist of continuous rotating endless belt, which is synchronized with conveyor belt speed in order to perform pressing action of plug on the bottle without spillage of liquid. Manual placing of cap/plug is required. The machine is driven by suitable motor and reduction gear box of reputed make and provided with AC Drive. Conveyor belt brings bottle with plug under pressing unit, where bottle with plug comes in contact with continuous rotating endless belt, which in turn press the plug on the way to exit. The machine is provided with in-built SS Slat Chain Conveyor of suitable length and the Inner Plugs are pressed automatically when they pass through the inclined belt pressing arrangement provided in the machine. The machine is suitable to handle different types of inner plugs comfortably

### TECHNICAL SPECIFICATION

- Output/ Minute: 12 to 20 Bottles per minute.
- Number of Head: Single Head
- Direction : Left to Right
- Electric Supply : Single Phase
- Conveyor Height: 750 mm to 840 mm Adjustable. Conveyor Length: 6 Feet to 10 Feet.
- (Depending Upon Requirement and Heads)
- Bottle Cap Size: 20 mm Dia to 75 mm Dia (with the help of change parts).



## Cap Elevator

### OVERVIEW

Our Cap Elevator is used to increase the efficiency of both automatic capping and container unscrambling. When used to assist automatic capping, the operator empties cases of caps into the elevator hopper. The machine is automatically activated when the supply of caps or containers need to be replenished. Designed to feed a variety of flat caps from 10mm to 110mm, its quiet and efficient operation improves the productivity of the packaging line and helps reduce labor costs. V.L. Engineers Cap Elevators are available in a variety of hopper sizes, belt styles, and elevator heights to meet a variety of capping needs.

# Labeling Machines



## Front & Back Labeling Machine

### OVERVIEW

Machine is used to apply self-adhesive sticker labels on Flat / Round / Cylindrical Containers. This machine applies two labels i.e. front & back together on the Container/ Bottles with the help of Two dispensing unit integrated on the machine. Containers will be loaded on to the Conveyor manually or with the help of Turn Table. One by one each container will be passed through the separator and shall go toward the label dispensing unit. While passing through the dispensing unit, labels will be applied automatically on to the containers from both the side i.e. from front & Back side of the machine.

### TECHNICAL SPECIFICATION

Structure of S.S 304.

- Two Separate Dispensing unit for Front & Back Label Application
- Conveying system to convey the product.
- Imported A. C frequency variable drive for variable speed with constant torque.
- Specially designed drive mechanism.
- Dispensing Unit to dispense labels.
- Brushing unit for Massaging the Product
- Micro controller controlled (Fiber Optic based) Product Sensor to sense the product.
- Micro controller controlled (Fiber Optic based) Label Gap sensor to sense the gap between
- two labels.

Optional: Enclosure.

●





## Wrap Round Labeling Machine

### OVERVIEW

Compact, powerful and easy to use, the Reliable Wrap round labeling machine is a high performance and extremely reliable machine. Providing uncompromising cutting edge performance standards our machine performs at stellar speed, unbeaten precision and high reliability. Designed to be operator friendly with no requirement for change of parts and single point control access with variable frequency drives, these machines are adaptable to changing requirements.

### TECHNICAL SPECIFICATION

- Speed: 60 TO 180 BPM Roll O.D.: 280MM
- Label Material : Paper/Film/PP/PE
- Label Dimensions : Min: 25X 25MM Max: 250 X250MM
- Power Supply / Consumption : 220VAC/ 50HZ/ Single Phase/2KW
- Operating System : Micro Controller with Keypad/ Stepper PLC or Servo PLC With
- Touch Screen
-





## Inkjet Printer

### OVERVIEW

- Reliable Inkjet marking and coding systems are the leading choice for industrial part marking. Designed for difficult marking applications like printing on metal surfaces, textiles, lumber, and rubber products. Our Inkjet Printer, large and small character inkjet coders offer excellent printing performance and low maintenance for maximum production uptime. Modular design enables fast and easy print head changes.
- Specialized components can work with difficult and specialty printing inks such heavy pigment inks, water-based inks, and co-curable rubber based inks.

### TECHNICAL SPECIFICATION

Printheads : 1

Inks : Pigment Based

Maximum Lines of Print : 5

Maximum Line Speed : 271 m/min (888 ft/min)

Environmental Protection : IP 55 (IP 65 Optional)

All Photographs shown in this catalog are for reference purposes only. Machine construction & specifications are subject to change without prior notice due to continuous up-gradation process.

Umbilical Length : 3 m (9.8 ft) optional 6 m (19.6 ft)  
Message Storage Capability :250  
Smart Cartridge : Included  
Plug and Play Printhesd Modules : Included  
USB : Included  
Communications : Ethernet and RS-232  
Serial Positive Air / Clean Flow :Included  
Display (User Interface) : LCD with membrane keyboard



## Induction Sealing

### OVERVIEW

Industries and factories manufacture products for sale in the market that need to be packed in pouches. The automatic pouch packing machines make this task easy by sealing, closing and packing the pouches at a very fast speed. It can be used for packing powder and liquid products. The machines also find use in food industries for packing of pouches containing paste, jam, sauce, pickle and many other foods. Reliable pack machines provide automatic pouch making machines for industries and businesses that need to make pouches and packets of products for sale. The sealing and packing speed of the machine is very quick and a large number of pouches packed at once in a minute. The pouches are sealed from three or four sides. Also, the machine can make a center seal. Sealing is done with the help of heat.

### TECHNICAL SPECIFICATION

- Driven Type - Electric
- Machine Speed - Up to 40 SPM depending on the product & sachet/pouch dimension
- Machine Type - Automatic
- Filling Type - Weight Filler
- Electric Power Required — Up to 4KW
- Type of Sealing - 4 Side Sealing, 3 side sealing, Center sealing
- No. of Track - Single Track
- Packing Range - Suitable to pack up to 1000 to gram and above depending upon product be packed



e

## Pouch fitting machine

### OVERVIEW

Industries and factories manufacture products for sale in the market that need to be packed in pouches. The automatic pouch packing machines make this task easy by sealing, closing and packing the pouches at a very fast speed. It can be used for packing powder and liquid products. The machines also find use in food industries for packing of pouches containing paste, jam, sauce, pickle and many other foods. Reliable pack machines provide automatic pouch making machines for industries and businesses that need to make pouches and packets of products for sale. The sealing and packing speed of the machine is very quick and a large and a large number of pouches can be packed at once in a minute. The pouches are sealed from three or four sides. Also, the machine can make a centre seal. Sealing is done with the help of heat.

or

### TECHNICAL SPECIFICATION

- Driven Type - Electric
- Machine Speed — Up to 40 SPM depending on the product & sachet/pouch dimension.
- Machine type - Automatic
- Filling Type - Weight Filler
- Electric Power Required - Up to 4KW
- Type of Sealing - 4 Side Sealing, 3 side sealing, Center sealing
- No. of Track - Single Track
- Packing Range - Suitable to pack up to 1000 gram and above depending upon product to be packed

# WRAPPING MACHINE



## OVERVIEW

Machine is a great replacement of Manual Labour which means more cleaner and hygienic packaging. The great operating takes care that there is no wastage of the packaging material. Machine has High speed consistent operation. Wrapping machine comes in three variations, Flow wrap, Collating wrap and Auto wrap each suitable for the particular operation and can be modified according to your requirement .The offered machine is available in different specifications as per the application requirements of the clients.

## TECHNICAL SPECIFICATION

### AUTO WRAP

- Speed: 20 to 30 pack /min.  
(Depending on the cartons)
- Direction: Left to Right
- Product: Cartons.
- Packing Material: B.O.P.P heat sealable film of 25 microns.

### COLLATING WRAP

- Speed: 10 to 15 pack/min.
- Direction: Left to right.
- Servo based adjustment (Optional).

### FLOW WRAP

- Speed: 80 to 90 pack/min.
- Direction: Left to Right
- Servo based adjustment (Optional).



# REACH US



+91 - 7011511348 / 9394 742416



[vlengineers9@gmail.com](mailto:vlengineers9@gmail.com)

[info@propaceng.com](mailto:info@propaceng.com)



**PLOT NO -662 KH. NO.693 SHYAM VIHAR PHASE-1 Z BLOCK  
NAJAFGARH NEW DELHI-110043**

## OUR CLIENTS

