



# *AMSON Engineering*

**ALL KINDS OF FILLING EQUIPMENT SOLUTIONS AT ONE PLACE!!**



---

Amson Engineering is a well-known enterprise, offering a wide range of Liquid Filling Machines, required for packaging. We were established in the year 2001, and since then offering Filling Machines, Bottle Cap Machine, Automatic Capping Machines, Tube Sealing Machines, Collar Fitting Machine, Paste Applying Machine, Ribbon Blenders, Planetary Mixer, Octagonal Blender and Screw Conveyor for different industries. Mr. Madhusoodanan Namboodiri, the owner of the company, is a revered businessperson. Based in Mumbai, the financial capital of India, we have achieved prominence as a Manufacturer, Exporter and Supplier based in India.

---

## TUBE SEALING MACHINE SEMI AUTOMATIC, PNEUMATIC MODEL PSCT15

Tube sealing machine Model PSCT15 is a compact machine for Sealing, Batch Coding and Trimming plastic or laminated filled tubes with medium output. The obtain can have a highly efficient and easy to operate design from AMSON Engineering. The output is 4000 sealed tubes in 8 hour shift. PSCT15 is suitable for Cosmetic, Herbal, Food and Pharmaceutical Industries, where the daily production is medium. This model can be also used for lab and R&D purposes, because each time a single tube is sealed or trimmed. The machine occupies a small area of floor space (2 ft X 2 ft). Peculiarity of this design is that all operations are done pneumatically.



### Features :

1. Any tube with diameter from 16 mm to 50 mm can be sealed and trimmed in this model
2. Easy adjustment of sealing and trimming stations as per tube height variation
3. Heights from 70 mm to 230mm can be sealed and trimmed
4. All types of tubes can be sealed, whether a Plastic, LD, Mono-Layered, Multi-Layered, or a Laminated one
5. Adjustable digital temperature controller to select different temperatures for different materials of tubes
6. Adjustable heating time and sealing time for different tubes
7. Manual as well as auto function provided
8. Compact and economy model requires small area to occupy.
9. Tube holders mounted and moved by a linear slide unit for sealing and trimming.

# PASTE AND GEL FILLING MACHINE PNEUMATICALLY OPERATED SEMI AUTOMATIC

Semi-automatic Paste and Gel Filling Machine Model AEPPF series can simply be named as a universal filling machine. With this machine, you can fill liquids as well as paste material without changing any parts. A very user-friendly model with low maintenance requirement. This machine is different from Motorized Paste filler, because for higher volumes, motorised machines does not respond properly according to the requirements and the maintenance is very hard. But in this Pneumatic design, all filling operations are done by Pneumatic Cylinders. Less rotating parts means low maintenance. Accuracy of filling is maximum up to 0.5% of the volume. Various volume capacities from 1 gm to 5000gms barrel sizes available on request.



## Special Features:

- Complete GMP Model, suitable for Pharma Applications and food industries
- Clean filling without dripping
- Tri-clover fittings attached so that easy product change over after cleaning possible within minutes
- Any material from free flowing liquids to hard pastes can be filled by same machine
- High accuracy in each filling
- Filling volume can be adjusted without stopping the machine with hand wheel
- No dripping, so no wastage of product and so clean filling assured
- Container resting platform is also provided
- Inbuilt Panel Box with all electrical control switches, timer mounted away from fill area
- Filling controlled by pedal operating switch, so each filling is selectable as per operator requirement

## SPECIFICATIONS for Semi-Automatic Piston Filler Pneumatic Machine :

- Machine Model: Semi-Automatic Paste Filler Pneumatic, AEPPF1000
- Machine Overall Size: 3 ft L X 1Ft W X 4.5 Ft H
- Machine Weight: 85 Kgs (approx)
- Gross Weight: 120 Kgs
- All material contact parts are in SS304 grade, finished to mat
- Fill Barrel Size: 80mm Bore X 200 Length (For 1000gms Filling)
- Output: 15 Fills per minute with bigger nozzle
- Fill Capacity: 100gms - 1000gms as per barrel size and settable volume by hand wheel
- Compressor Required: 5.5 Kg.cm<sup>2</sup>, 4 cfm. (2 HP twin cylinder, 3/1 phase) to be arranged by you
- Inbuilt Panel Box with timers switches and valves
- 50 Liter Hopper comes with this machine; also the material can be sucked from any overhead vessel
- Adjustable stroke and fill volume with a hand wheel provided with the machine
- Adjustable fill height

## POWDER FILLING MACHINE (AUGUR FILLER) AFAE SERIES

Powder filling machines come in a wide variety of sizes, shapes, filling principles and degrees of technical sophistications, in response to the ever-widening diversity of powder filling applications around. AMSON's Powder filling machine is specially designed to get high accuracy outputs of powder in a limited time and thereby increase the production. For this achievement, we use digital timing mechanism assisted filling to get perfect accurate fills each time. We designed a model, where the wastage is theoretically nil and the accuracy is maximum. Hygienic and GMP standard parts assure safety for fast contaminating products.

Any free flowing material, or comparatively free flowing material like flour, spice powder, chemical powder, toner powder, talcum, food ingredients, food coloring agents, agro products, masala and other pharma and chemical powders can be filled very accurately by using this machine model. Accuracy of this filler is very high up to +/- 0.5% accuracy in each filling.

### Additional features :

- Augur based filling equipped with digital Timer and Load cell for weigh metric
- One Touch Start by a pedal operating switch
- Drive through electro-magnetic clutch brake system to get high accuracy filling
- High output and increased efficiency
- Slow speed geared motor attached to stirrer helps to feed augur uniformly
- Output of 15-20 fills/minute can be achieved
- High accuracy up-to +/- 1% of fill volume
- Low maintenance needed in this model



## LUG CAPPING MACHINE- PNEUMATIC MODEL SEMI,-AUTOMATIC (AEPLC80)

LUG Capping Machine from AMSON Engineering is a very successful machine, with complete Pneumatic working. This machine is widely used in food industries, where LUG caps or Twist Caps are used for sealing JAM, Pickles, Honey or other food items. Also used in Herbal/ Ayurvedic industries to pack Chyavanprash. This machine is very compact, table top design with inbuilt panel box at the bottom of unit. Machine is very easy to operate with a pedal operating switch. The machine can seal small caps to bigger caps in the series. Pneumatic operation gives flexibility in operation. Glass bottles with height from 30mm to 200mm can be managed by this model. After a long time research and development, we have designed such a machine, which can cap any sized LUG caps to Glass bottles. The machine is called, Pneumatic LUG Capping Machine model Number AEPLC80.



### SPECIFICATIONS FOR AEPLC80 :

- MACHINE NAME: PNEUMATICALLY OPERATED SEMI-AUTOMATIC LUG CAPPING MACHINE
- MACHINE MODEL: AEPLC80
- CAPPING CAPACITY: UP TO 80MM SIZE CAP
- OUTPUT: 15 CPM.
- AIR CONSUMPTION: 2 CFM, @ 5.5 BAR.
- NUMBER OF CYLINDERS: 2 NOS.
- POWER CONSUMPTION: 230VAC, 50 HZ, 0.5 KWH.
- MACHINE SIZE: 15" X 15" X 25" H.
- MACHINE WEIGHT: 35 KGS.
- INBUILT PANEL BOX PROVIDED.
- TABLE TOP MODEL.
- BOTTLE AND CAPS PLACED MANUALLY.
- PEDAL SWITCH PROVIDED FOR OPERATING.
- STRONG DESIGN REQUIRES NO MAINTENANCE.
- CAP TIGHTENING HEIGHT ADJUSTABLE BY HAND WHEEL.
- BOTTLE BOTTOM GRIPPING SURFACE PROVIDED.
- AUTOMATIC MODELS ALSO AVAILABLE ON REQUEST.

## PERFUME BOTTLE CRIMPING MACHINE- MANUAL HAND OPERATED TABLE TOP MODEL AEPBC15

Hand operated Perfume pump crimping machine is widely used in Perfume industry, to fix pumps on filled glass bottles. This machine is useful where small and medium scale production is required. Where there is more production required, and if it is more human labour available, then this machine is also suitable. This machine is easy to operate. Bottle with pump, to be crimped, has to be placed under the crimping tool over the platform. Make sure that the pump is inserted well into the tool and clamped to the bottle neck. For this, the spring loaded platform can be pressed down with your hand, while placing the bottle. Now release the bottle so that it is clamped perfectly to the collet. The hand operating lever is to be pressed downwards, in order to press the tool over the pump to the bottle neck. This causes the perfect crimping of pumps to the bottle.



### Features :

- Height of crimping head according to the height of bottle can be adjusted by loosening the back lever and slide the head over the pillar upwards or downwards
- Any bottle sizes can be crimped with this machine from 13mm to 32mm by changing the collet
- Different sizes of Collet (tool) available with us as per your requirement
- Adjustments for collet inside depth with a screw provided as per variations in height of pumps
- Hardened tool material assures long life for the machine
- Inner stopper for the pump made from Stainless steel material
- Heavy structure ensures good quality crimping
- Long operating lever gives smooth working
- Compact design and less weight, so that the machine can be carry by hands
- Machine is very flexible in operation and the most economical in this series. Extra collets of various sizes are available with us on request

# VACUUM ASSISTED LIQUID FILLING MACHINE- 2 AND 4 HEADS

We manufacture a versatile filling machine for volume filling applications. The machine is also as called vacuum assisted liquid filler. Very useful filling machine is designed for Alcohol, Perfumes, Fruit Juices, Health Drinks, Fruit Concentrates and distillery industries, where glass bottles are used as container. The machine works on the basis of filling liquid against Vacuum suction from the container. Fast filling of any Glass bottles can be done by using this machine. Various volumes can be filled by adjusting the height of filling head and nozzle.

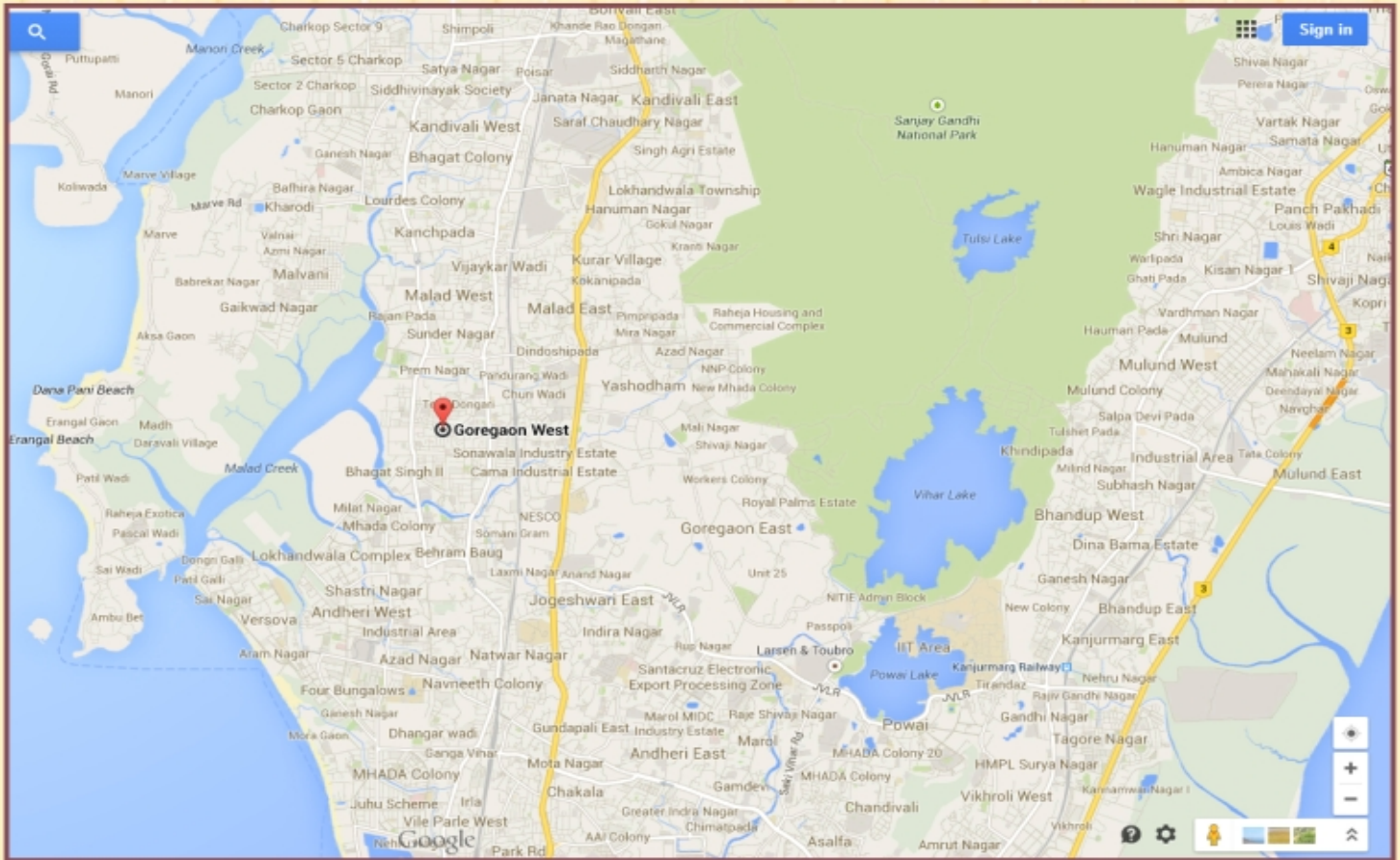


## Special Features :

- Strong model with complete stainless steel matt finished covered body
- All product contact parts are made of stainless steel 304 quality
- High speed filling as per volume required
- No dripping or wastage of liquids because of vacuum and trap vessel
- Multiple heads provides easiness in filling
- Bottle resting platform with height adjusting facility for nozzles
- Easy to operate
- Any volume can be filled from 5ml to 5000ml as per required according to nozzle depth inside the bottle

## Specifications :

1. Machine size: 750L X 600W X 1500 mm H
2. Packing size: 3 ft L X 4Ft W X 5 Ft H.
3. Machine weight: 150 kgs. Approx.
4. Gross Weight including Packing: 230 kg.
5. Number of heads: 2 or 4 as per order.
6. Machine name: Two/ Four Head Vacuum Liquid filling Machine.
7. Machine model: AEVF02500
8. Output: 20 fills per minute from each head.
9. Power consumption: 0.5 Kwh.
10. Electricity required: 1 phase 220 VAC. 50 Hz.
11. Vacuum pump: 1/2 HP 75 LPM air cooled diaphragm operated dry type, 230VAC, 50Hz.
12. All material contact parts are in SS 304
13. Height adjustable nozzles head.
14. Base and guides for bottles provided.
15. Inbuilt vacuum pump and closed oil cooled type.
16. High efficiency machine.
17. 15 liter capacity stainless steel trap vessel for over-flown liquid attached.
18. Easy to operate.
19. Low maintenance model.
20. Fill capacity from 10ml to 1000ml.



## *AMSON Engineering*

**Name of Owner : Mr. Madhusoodanan Namboodiri. A**

**City : Goregaon(W)**

**State : Mumbai**

**Country : India**

**Pin Code : 400 104**

**Mobile : +91 22 9892589976**

**E-mail : [amsonmadhu@gmail.com](mailto:amsonmadhu@gmail.com)**

**Web Site : [www.amsonengineering.com](http://www.amsonengineering.com)**