PHOENIX®
True way of Invention

• OIL & LUBRICANTS FILLING LINE •

www.phoenix-pack.com
SERVO 8 HEAD FILLING MACHINE

SCOPE: Edible Oil, Lube Oil, Break Fluid, Engine Oil, and all types of free flowing liquids

Specifications:

Body: Stainless Steel
Filling accuracy: +/- .05%
Capacity: 100 ml to 5000 ml
Capable of filling: 48-54 BPM of 1000ml and 12 to 14 BPM of 5000ml

8 head filling machine has following units:

- Nozzle Up-Down Structure.
- Nozzle System.
- Gating System.
- Double Pump Set Automatic.
- The Measuring Device (Servo Measuring device).
- Drip Tray Automatic Pneumatically Operated.
- Conveyor S.S. 6” made in EU.

Description:

The German technology based volumetric oil filling machine is designed with an accuracy of ±0.1% to fill the oil in pet bottles / square jars / tin from 100ml to 5000ml. Oil filling machine for edible oil and lube oil industries is widely used to fill various types of liquids in different volume. Only minimum adjustment required for setting different capacity from 100ml to 5000ml with varying containers. The high tech servo volumetric oil filling machine is capable of filling 48-54 BPM of 1000ml and 12 to 14 BPM of 5000ml. Machine is having its own pumping system to connect the machine with the tank. The volume to be filling is measured by the servo flow measuring devices with a filling accuracy of +/- 0.05%.

“No Bottles No Fill” sensor will ensure that filling does not take place when bottles are not in alignment with the nozzle. The machine is constructed with standard components, stainless steel body. And the special nozzles are made up of stainless steel with polish technology. The Machine is automated with Schneider electric Switzerland. The Schneider PLC reduces the wiring complications and reduces the hardware. The Schneider color HMI (Human Machine Interface) display is used to display various messages. Volume settings are done on the touch keypad. The complete pneumatic operations are done with FESTO pneumatic France.

LAYOUT FOR FILLING LINE

- Measuring Device (Servo Measuring device).
- Drip Tray Automatic Pneumatically Operated.
- Conveyor S.S. 6” made in EU.
SERVO 6 HEAD FILLING MACHINE
SCOPE: Edible Oil, Lube Oil, Break Fluid, Engine Oil, and all types of free flowing liquids.

Specifications:
- High precision flow measurement.
- Complex electronic displays.
- Customer specific solutions.
- Self calibration service, No mechanical calibration required.
- Self fault diagnosis.
- No manual adjustment of gears is required in to achieve the desired calibration since the flow meter picks up signal at each tooth as digital pulse to measure the liquid flow.
- No manual assembly or disassembly of the flow device and can be installed in any position.
- No leakage in flow meter and any frequent flow direction.
- Only 2 ports are used. One for Inlet and another for Outlet whereas piston or chamber types there are 3 ports used.
- Less wear and tear of parts as it uses only two toothed gear mounted on bearing.
- Less number of mechanical parts which helps in less or zero maintenance of flow meter.

NOZZLE UP DOWN STRUCTURE:
Nozzle up down structure is used for the movement of the Nozzles used to fill the bottles. The movement of the structure is brought about by the geared motor of “Rotomotive” make. It consists of lead screw which enables the easy up down movement of the structure. This structure helps nozzles to rest on it and it bears the load of whole nozzle assembly. This structure is also used for the height adjustment of the container in case of change of containers. So no changed parts are required in this oil filling machine even if the size, shape and height of the containers changes. This is the best feature of the machine which reduces the cost of the change parts required in case of container change.
**SHUT OFF NOZZLE:**
The nozzle is the important part of the machine as far as filling is concerned. The nozzle is designed in such a way that it does the filling of the required volume in two stages to get the desired accuracy of filling. The 90% - 95% of the desired volume of the liquid to be filled is filled by coarse filling and rest 10% - 5% is filled by fine filling. The nozzle is accompanied by “FESTO” make pneumatic cylinders for the diving operation to take place for fine filling of the liquid. The high technology designed nozzle allows the drip / leak free filling of liquid into the containers. The design is compact and occupies less space. The nozzles are mounted on the metallic bar of the Nozzle up down structure which allows the sliding of the nozzles on the bar as per the change in the bottles size and shape.

**VACUUM NOZZLE:**
The Nozzles has a special arrangements for vacuumed after filling immediately or settable as per user requirement through PLC (from TOUCH SCREEN) directly. This filling machine is equipped with 300CFM capacity from suck back the oil after filling so that 100% zero dripping in nozzles. The filling machine also has the Vacuum Jar which collect the liquid with gets suck back during filling this function can be very useful for Hydraulic oil which is very thing viscous.

Eg: - Automatic transmission fluid (ATF) is the fluid which are thin oil like 40W, 20W-40 and OW/40 oil are very fast filling for which this Italian Designed Nozzles are useful for high speed without dripping. Oil like SAE 40W, 75W-90 or heavy Oil use for Gear oil API standard has the property for forming the Furth during the filling, for this special nozzles can be set to suck back the formed furth in the JAR during filling for easy and fast filling. This nozzles are very good for Diesel Engine oil also.
**GATING SYSTEM:**
The gating system of the machine consists of two stoppers, one incoming and other outgoing stopper. The gating system is used to avoid collapsing of the bottles during filling. The automation is done with the help of PLC. The incoming sensor counts 4, 6, 8, 10 or 12 containers and operates the incoming stopper to stop the further entry of the containers into the machine and at the same time the outgoing is also operated to stop the 4, 6, 8, 10 or 12 bottles respectively under the nozzle for filling. Thus gating system allows all containers to be filled at a time. As soon as the filling is over the outgoing stopper moves back and releases the filled containers for further operation. The movement of the gating system is brought about by the pneumatic cylinder of “FESTO” make.

**SERVO MEASURING DEVICE:**
The flow meter is a measuring device used to measure the flow of liquid to be filled. The flow meter is of “German” technology. It measures the volume flow of liquids according to the toothed wheel principle. A pair of precisely adjusted toothed wheels in the housing constitutes the meter. A signal picks up system register meter rotation free of contact and tooth by tooth. Each tooth is output as digital pulse.

**Drip Tray:**
The automatic drip tray system is connected with logic device on which the moment it gets the signal that filling is done and nozzle back to its position immediately the drip tray covers the nozzle to avoid all fall on the bottles even by mistake.

**CONVEYOR S.S.6” MADE IN EU:**
The conveyor are made up of very special slits which is imported from Italy are magnetized for the repletion during the running of conveyor which helps the conveyor for smooth run and do not make a vibration which can create spillage. Each slit size is of 6” which can handle even more than 5L jar and run smoothly with the total weight running capacity of 250 kg. The gear box and the motors are used heavy duty with drive control where you can control the speed of the conveyor from touch screen directly (digitally).
**Double Pump Set Automatic:**
The machine are equipped with double pumps set which runs automatically with the controls of logic programs which help to keep 99.9% volume flow during the filling and after filling with the help of pneumatically operated solenoid control valve for bypass within the machine, 2.5HP to 3HP each motor capacity. The pumps are with the capacity of 140 LBM (liter per minute). This built-in mechanism and automation helps the machine to run as per your desired speed and filling. The double pumps set with motor are synchronized with high technology that even though if there is any breakdown the machine can be run with 1 pump set also.

**Human Machine Interface (HMI):**
Human Machine Interface (HMI) equipment provides a control and visualization interface between a human and a process, machine, application or appliance. HMIs allow us to control, monitor, diagnose and manage our application. HMI equipment from Schneider Electric spans from simple text displays, graphical operator panels, touch screens etc.

**Features:**
- Actualizing an easy and efficient interaction between man and machine.
- Controlling the process.
- Keeping machines and plants running at an optimal level.

**HMI Screen Shots**

![HMI Screen Shots](image-url)
Phoenix40- filling and closing line dedicated to working with chemical and automotive products. It provides a fully automated process of filling and closing of packages. This line provides a very wide filling range (from 200ml to 5000ml) with very high precision. Flow meter technology is suitable for foamy, creamy, oily, and alcohol based products. Phoenix40 is equipped with flexible closing systems for lotion pump, screw caps, sprayers, flip-tops, and triggers.

Features:
- Productivity flow: 40pcs/min.
- Competitive price and quick return on investment.
- Minimal potential losses of filled liquid – guaranteed tolerance of dose at the level of 1% (For 5L).
- Various closing systems – works with triggers, caps and flip-tops.
- Automated feeding of the caps.
- Quick format changeover.

Specifications:
- No. of nozzles : 4, 6, 8, 12
- Filling Systems : Electromagnetic or mass flow meters.
- Type of pump : Up to the product type
- Cappers : Z2
- Productivity flow : Up to 30 – 120 pcs/min.
- Controller : HMI Interface
- Conveyor Length : 6,000mm
1. THE GAER FLOW METERS precisely measure the close, always providing the same amount of product. Flow meter technology is suitable for foamy, creamy, oily, and alcohol based products (e.g., chemicals & household products). The numbers of filling nozzles: 4 to 12 in a single track.

2. Z2 CAPPER (pick & place) is equipped with special jaw grippers for precise capping of closures which cannot be pressed from the top during the closing process. Caps are tightened with a preset torque.

3. UNIVERSAL FRONT, BACK & WRAP-AROUND LABELLER - DUO ROTO Universal automated labeling machine designed for high-accuracy labeling of flat and elliptical containers. Accurate and efficient labeling systems for round containers: High-efficiency Roto Classic or Ultra-precise Roto Can. Suitable for use with transparent and non-transparent labels on PE or PP foil. The stable top conveyor offers the possibility of labeling open containers.
Phoenix20 – a semi-automated line for filling, closing and labeling intended for various chemical products. Extremely precise flow meters enable filling of various shaped containers with capacities ranging from 200ml to 5000ml. Flexible closing systems: the line works with many types of closures: triggers, caps, flip-tops, etc.

Features:
- Productivity flow: 20pcs/min.
- Quick return on investment.
- Filling range: 200ml to 5000ml.
- Various closing systems—works with triggers, caps and flip-tops.
- Guaranteed productivity for engine oil:
  - 625 pcs/h for 1L packages
  - 800 pcs/h for 0.5L packages
  - 1000 pcs/h for 100ml packages
- Quick format changeover.

Specifications:
- Filler Type: Semi Automated Flow Meter
- Filling Systems: Electromagnetic or mass flow meters
- Number of Nozzles: 1 or 2
- Filling Range: 200ml – 30L
- Cappers: Z1, Z5
- Line Length: 3700mm
1. DPE FLOW METER FILLER is an easy-to-operate, efficient machine designed for filling thin, medium-viscosity and foamy liquids. Highly efficient and precise filling is controlled by the electromagnetic flow meter. Easy maintenance of the machine ensure cleanliness – absence of components where product residue could accumulate and simple flow-through cleaning make the machine ideal for filling quickly drying materials, such as household or industrial chemicals. Simple operation, reliable performance.

2. Z1-SEMI AUTOMATED CAPPER is used for closing bottles with plastic caps (also twist-off type), initially screwed on the packaging. Z1 capper guarantees that the package will be twisted with the same force and torque.
- Capacity: up to 35pcs/min.
- Quick changeover: easy changeable closing heads (depending on closure type).
- Independent control of torque and speed of tightening.
- Adjustable height of the closing heads.
- Adjustable height of the centering unit.

3. UNIVERSAL FRONT, BACK & WRAP-AROUND LABELLER – DUO ROTO
Universal automated labeling machine designed for high-accuracy labeling of flat and elliptical containers. Accurate and efficient labeling systems for round containers: High-efficiency Roto Classic or Ultra-precise Roto Can. Suitable for use with transparent and non-transparent labels on PE or PP foil. The stable top conveyor offers the possibility of labeling open containers.
**DC SEMI AUTOMATED OVERFLOW FILLER**

DC Filler is a simple-to-operate, efficient machine designed for filling thin, medium-viscosity and foamy liquids. It works with all kind of containers (glass bottles, PET, cans, etc.)

**Features:**
- Competitive pricing – quick return on investment.
- The applied filling technology allows for filling thin, semi-viscous and also high-foaming liquids, ensuring highly efficient performance.
- All components which coming in contact the filled liquid are made of stainless steel AISI 316.
- Easy inline cleaning of the machine.
- High filling efficiency.

**Indications for DC filler use:**
- Required filling capacity is fewer than 1500 pcs/h.
- The substance being filled is runny up to medium viscous.
- Product to be filled tends to be highly foaming.
- Filling containers from 1 up to 10 L

**FILLING RANGE AVAILABLE**

Amount of a dosage to be filled is set manually. The filling devise fills packages up to a preset level with 1mm accuracy. Filling levels available, which are measured from the top edge of the package neck, depend on the diameter of the pressure head (see the technical specifications for details). Minimum dosage for devices of this types is 100ml; the maximum one is 20L.

**GC PRESSURE HEAD**

Higher diameter of the filler means higher filling capacity. The filler diameter should fit into the neck of the containers and be chosen accordingly. When containers of various neck diameters are to be filled, an additional set of exchangeable heads would be advisable.

**ADDITIONAL EQUIPMENT**

As an alternative, the turbulent pump may be exchanged to a membrane pneumatic one, with a pump and product sensors made by EX. Formats for flat and elliptical packages are used to prevent reshaping due to pressure filling.
Specifications:
Filler Type : DC Overflow Filler – level controlled
No. of GC heads : 2 or 4
Available dosing levels measured from the upper edge of the neck : 10-85mm for GC-16
                                             10-90mm for GC-20
                                             10-100mm for GC-25
Control : Electronic control systems, available for all versions.
          Manual (using a pedal), available only for the two-head version.
Power drive : pneumatic (compressed air). Electronic components 230V, electrical pump 400/230V

DV SEMI AUTOMATED VOLUMETRIC FILLER

DV volumetric filler is the most universal machine intended for the filling of liquid or semi-liquid products in a wide range of viscosities. Any type and size of a container can be filled (e.g., tubes, jars, ET bottles, cans, etc.)

Features:
- Competitive pricing – quick return on investment.
- The applied filling technology allows for the filling of all kinds of liquid substances, from thin such as water, to very thick and highly viscous, like honey.
- All components which come in to contact with the filled liquid are made in a way which ensures quick and easy disassembly in order to clean the equipment.
- High filling accuracy.

Specifications:
Type of doser : DV volumetric filler is equipped with suction and pressure heads (GV heads)
No. of GC heads : 1 or 2
Available dosing ranges : 5-50ml for GV-50
                              25-250ml for DV-250
                              100-1000ml for DV-1000
Power supply : Pneumatic (compressed air)
DOUBLE SIDE SERVO LABELING MACHINE  
Made in India

Specifications:
- Direction of movement: Left to Right
- Label Size: 10mm to 85mm
- Output: up to 60 bottles/min.
- Label length: 240mm max.
- Label space: 3mm between labels
- Machine power: 220V/AC/50Hz Single phase
- Machine Panel: MMI base unit
- Machine Dimensions (LxW): 2500mm x 1800mm
- Sensor: Sick Germany/Imported
- Case Dimensions (LxWxH): 3000mm x 2250mm x 1950mm

DOUBLE SIDE + ROUND BOTTLE LABELING MACHINE  
EUROPEAN MAKE

Specifications:
- Installed 2 Heads S8 Start.
- Labeling Speed up to 30m/min.
- Max Width of the label band reel: 160mm.
- Max outer diameter of the label reel: 300mm.
- Head Position adjustment by X-Y axis and by angle.
- Machine based on adjustable supports.
- Plytkowky conveyor: 100mm width x 2 M length.
- Gradual Regulation of conveying speed.
- Product Sensor.
- Optical Label Sensor.
1. THE TOP CONVEYOR:
Fewer creases and air bubbles on the labels – the top, press-down conveyor equipped with a rigid belt ensures label adhesion with a maximum strength. Thanks to the mechanical connection of the top conveyor with the main transport conveyor, the same speed of both conveyors can be maintained. As a result, containers always move in an upright position without a risk of tilting to the side. Excellent accuracy and repeatability of the labeling process is guaranteed.

The structure of the top belt allows for the labeling of open containers.

2. ROTO SYSTEM:
The ROTO CAN rotor stops the container and attaches the label in a precisely defined position (label positioning). As a result it is possible to apply a number of labels on a single container. In the case of small, unstable container additional pneumatic pressure from the top is applied.

The ROTO CLASSIC rotor operates in conjunction with a side belt which conveys the container over the label attachment plate, ensuring that the labeling can be done without stopping the container. Output is high as 7,000 labels/hour can be obtained.

3. SEPERATION AND POSITION OF PRODUCTS:
Appropriate distance between adjacent containers must be maintained. The use of a suitable separator ensures precise spacing and positioning of containers for a wide range of sizes and shapes.

- Chain Positioner with an integrated separator (up to 60 Units/min., small queue of containers at the point of entry on the conveyor belt.
- Oscillation Positioner for soft or asymmetrical containers.
- Sponge Separator ensures the simplest positioning and separation. Recommended container types: for example, large and flat or canisters.
- Belt Separator designed for a productivity flow of more than 80pcs/min.
- Pneumatic separator recommended container types: light or medium-weight.
- Wheel Separator intended for small containers, e.g., ampoules.

4. S8 LABELING HEAD: DUO ROTO has two heads intended to apply labels on both the front and the back of flat containers.
LINEAR CAPPING MACHINE

Specifications:
- Output/Hour: 30 - 60 Bottles/Min
- Container Thickness: 30mm to 70mm
- Container Width: Up to 150mm
- Dimension (LxWxH): 2000mm x 900mm x 1800mm
- Weight: 700 kgs.
- Power requirement: 1.5 H.P 230 Volt, 50 Hz, 3 Phase, 4 Wire
- Speed Control: By A.C Frequency Drive
- Container Height: 100-250 mm

Description & Function:
It works on the basic principle of to seal the filled bottle. This model consists of Linear Screw Capping Device. The filled bottles have to be loaded on the conveyor and conveyor transfers the bottle from one end to other end. During the transportation of the bottle, there is one device fitted on the body which picks up the bottle and convey the bottle with gripping with the help of pressing device.

When the bottle enters into pressing device, there are six sealing rollers mounted on the sealing head and sealing head is mounted on the machine which is adjustable in height and width. The sealing rollers are provided with separate A.C frequency drive so that we can adjust speed of the sealing roller.

The basic machine will be designed as per our discussions. The bottles have to feed manually on conveyor and caps are also to be place manually on the bottles. The machine will tighten the caps on the bottles.
CAPPING MACHINE
Semi Automatic

Application:
The Machine is designed for low speed production requirements for tightening pre-threaded caps on HDPE, PET containers.

Utilities Required:
- 415 Volts, 50 hz A.C. 3 Phase Power Supply
- 6 kg Pressure Compressed Air

Note: All above details should be provided within 2 meters from the vicinity of installation.

CAN SEAMING MACHINE
Semi Automatic

Specifications:
Model: GS-250 ROUND CANS 50ml - 5kg
       GS-220 RECTANGULAR CANS 1/4L - 5L
Capacity: 30 to 40 cans per minute
Motor: 1.5 HP
Output: 15,000 (Seams 8 Hrs.)
Net Weight: 650 kgs.
Shipment Case Dimension: 80" x 43" x 30"

GREASE FILLING MACHINE
Double Head

Specifications:
Grease Filling (per Min): 200 Gm To 1 kg
Capable Of Packing: 100 ml to 5 liters

Optional:
- PLC Control.
- Recommended spares.
- Export worthy Packing charges.
SIGMA II INDUCTION MACHINE
Water Cooled

Main Features:
- Compact all-in-one design.
- Single body, "on conveyor" mounting system.
- Conveyor stop system.
- Front panel with easy to use membrane switches.
- Coil movement - 300 mm or as required by the customer.
- Can seal almost any type of closure-flat, dome, spout, dispensing
- Coil movement: 300 mm or as required by the customer.

Specifications:
Input: 230±10% V AC, 10 Amps, Single Phase
Max. Line Speed: 50 feet/minute
Cap size: 20-120mm
Net Wt./Packed Wt.: 150 Kg/270 Kg
Dimensions (WxLxH): 650mm x 650mm x 1650mm

Physical Design Features:
- Conveyor Stop System: The Conveyor stops in certain predefined conditions such as:
  - No Bottle
  - Sealing Off
  - Bottle Jam
- Over Load Protection & ALARMS
  - Over Voltage
  - Over Current
  - Spike & Surge
  - Over Temperature Cut Off
- No effect of Voltage fluctuation
- Sigma - II is designed to operate with variations in mains input voltage from 170V to 300 V AC
SIGMA III INDUCTION MACHINE
Air Cooled

Specifications:
- Easy & simple to use. All controls are installed on sealing head, which is easy to access for the operator.
- Warning lights for all main functions on the display.
- Unique air-cooled design, no water changes and no pump breakdowns.
- Slim design saves space.
- High efficiency with low power consumption.
- Same speed with lower power consumption which will save on the power costs.
- Modular component design, dependable & reliable SMD technology.
- With a warning alarm. Loud audible signal to alert the user problems.
- High speed & effective. Though the opening that is stained liquor, oil stains or powder, the bottle can be sealed actively.

Technical Specifications:
- Controller (Air-Cooled)
  - Voltage: AC 230V +/-10% 50/60HZ Single phase
  - Max. No load running current: 4.5A
  - Power consumption: 5A (Max. 10A)
  - Weight of the main controller: 24.20 kgs
  - Dimensions: (L) 30 cm x (W) 30 cm x (H) 47cm
  - Speed: 0~20m/min.
  - P.S. Max. Speed tested with PE aluminum foil with 37.5mm

- Sealing head (Air-Cooled)
  - Weight of the sealing head: 6.2 kgs
  - Dimensions: (L) 50 cm x (W) 20 cm x (H) 12 cm
  - Sealing Range: 10~45mm (Assigned sealing range is acceptable)
Specifications:
Filling range : 5-250 kg max.
No of filling heads : 1
Digits fluorescent displays : 6

Features:
- 6 digits fluorescent displays.
- 6 membranes pushbuttons.
- Set point update rate can reach to 50/time/second.
- Maximal driving eight load cell (350Ω).
- Watching dog circuitry located inside ensure the reliable performance of the indicator.
- RS-232/RS-422 Serial communication connector.
- Automatic zero tracing.
- Motion sensitivity detection function.
- Indicator is 5VDC; the max output of the electric current is 120mA. It can run 8 load cells (350 ohms). The load cell connector is 7 pin COMBICON type jack, connected by 7 core load cell.

Technical Details:
Load-cell : ALLIPED WEIGHING ENGLAND.
PLC : Schneider / Siemens / PROFACE USA / or Branded PLC.
HMI : Schneider / Siemens / PROFACE USA / or Branded PLC.
We are leading manufacturer & supplier of wide range of Grease Filling Machine (Single Head). These machines can be availed from us in different grades and dimensions as per the requirement of the clients to meet their requirement in a better way. In this Cylinder to verify the presence of slot in the bell assembly. Fixture to inspect the correct size of the balls in the bell assembly.

**General Construction:**
The Machine fabricated out of M.S. Angle, sheet etc. Hopper and all other contact parts are made out of S.S.304 and wiper strips of PTFE.

**Specifications:**

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FULL AUTOMATIC CARTON SEALER
Model No.: PFJ 5050

Specifications:
- Power supply and Power : 380/50Hz 500
- Specification of sealing carton : L(300-650)mm x W(180-500) mm x H (200-500)mm
- Adhesive of sealing carton : Kraft paper adhesive, BOPP adhesive
- Adhesive size : 48-60mm
- Sealing speed : 13.9 meter/minute
- Electric allocation : Adopt high precision speed-reducing motor
- Surface height of workbench : 615-860 mm
- Packing size (LxWxH) : 2040mm x 1152mm x 1520mm
- Machine size (LxWxH) : 1980mm x 1110mm x 1380mm
- Machine weight : 220 kg

FULL AUTOMATIC STRAPPING MACHINE
Model No.: PFASM-101A

Specifications:
- Power supply and power : 380/50Hz, 1000 W/5A
- Bailing Speed : ≤2.5 second /path
- Strapping force : 0-60 kg
- Requirement for Bailing Strap : Width 13mm, Thickness 0.83mm
- Strapping mode Parallel strapping, modes: Pot move, continual beating, call switch, foot switch
- Frame Size (WxH) : 800mm x 600mm (it's possible to customize according to your requirements).
  Equivalent to inside width 934mm x inside height 600mm
- Height of work bench : 750mm
- Packing measurement (LxWxH) : 1540mm x 800mm x 1440mm (1,4m3)
- Gross weight : 240kg
FULL AUTOMATIC L’SEALER AND SHRINK TUNNEL
Model: IPM-5545TBA

Specifications:
- Machine dimension L×W×H: 1700×960×1400
- Max sealing size L×W mm: 550×450
- Max packing size L×H mm: ≤500
- Max packing size W×H mm: ≤430
- Packing speed pcs/min: 15-25
- Net weight: 225Kg
- Power: 1.3KW
- Power supply: Single phase 110V/220V 50/60Hz
- Air pressure (kg/cm³): 5.5

Scope of Application for L’ Sealer:
Suitable for large quantity shrink wrapping machine industries such as software, foodstuff, cosmetics, printing, pharmaceuticals, flooring, ceramics, beverages, beer, and etc.

Technical Features:
PHOENIX IPM-5545TBA is fully automatic L Sealer, widely used in pipelining work for large quantity package with high work efficiency, installed with pin hole device, adjustable film feeding system and adjustable conveying table meets different requirements for different products.

Shrink Tunnel:
- Model: IPM-4525
- Power Supply: 3380VAC 50/60 / 3280VAC 50/60
- Power: 10 KW
- Oven Entrance Size WxH: (450mm x 250mm)
- Machine Dimension (LxWxH): 1330mm x 750mm x1380mm
- Work efficiency: 2000-3000h
- Weight: 185 kg
MANUAL L’SEALER AND SHRINK TUNNEL
Model: IPM-4525

**Manual L’Sealer:**
- Model: IPM-5545T
- Power Supply: 1 phase 220V 50 Hz / 1 phase 110V 60 Hz
- Power: 1.2 kw
- Max Sealing Size (LxW): 550mm x 450mm
- Machine’s Size (LxWxH): 1400mm x 700mm x 1000mm
- Weight: 110 kg

**Features:**
- Rugged, long life design.
- Unique film cradle for quick, easy film adjustment and changeover.
- Height adjustment ensures that the sealing line is in the center of product.
- Hot knife sealer system (Teflon coated).
- Automatic conveyor belt transports the product into tunnel.
- High efficiency heat tunnel is thermostatically controlled up to 400 degrees.
- Hot air cycling tunnel with velocity control.
- Automatic cool down function.
- Heavy-duty base with tool parts drawer.

**Shrink Tunnel:**
- Model: IPM-4525
- Power Supply: 3380VAC 50/60 / 3280VAC 50/60
- Power: 10 KW
- Oven Entrance Size WxH: (450mm x 250mm)
- Machine Dimension (LxWxH): 1330mm x 750mm x 1380mm
- Work efficiency: 2000-3000h
- Weight: 185 kg
**TAPE MASTER**

**Specifications:**
- Tape Width: 1 1/2”, 2”
- Belt Speed: 23 Meters/Minute
- Capacity: (L)120mm - oo, (W) 180mm - 500mm, (H)120mm - 700mm
- Power Supply: 100/110/220/230/240V., 50Hz/60Hz., 1-Phase
- Power Consumption: 450W

**Options:**
- 700mm (W) x 700mm (H)
- 3” Tape Head

**SEMI AUTOMATIC STRAPPING MACHINE**

Made in Taiwan

**Specifications:**
- Sealing Method: Heat Sealed
- Strapping Speed: 1.5 sec/strap
- Strap Width: 9-15mm
- Power Supply: 220V 50/60 hz, 1 phase
- Machine tension: 5-60 kgs
- Machine Weight: 92 kg
- Dimension: 89cm x 56.5cm x 73cm (LxWxH)

**Specifications:**
- Instant Heating in only 20 seconds
- Magnetic Drive for faster speed packing
- Lift Type top cover allows convenient maintenance
- Safety switch activate as soon as open the top cover
- Economical design of control switch, independent PCB control feeding and heating. The unit is easy to maintain
- External adjustable tension knob on control panel provides easy and simple operation
- One touch machine operation energy saving mode activates within 1.5 sec of non-use and allows instant operation
- Stainless steel frame is available for strapping moisturized products
8 HEAD PISTON FILLING MACHINE
Brake fluid machine

Specifications:
- Output: 60 to 80 bottles/min
- Power supply: 440 volts / 50 Hz (3 phase)
- Body diameter: 25 to 88mm
- Neck diameter: 20 mm ID
- Material of construction of all contact parts: SS-304

Description & Operation:
- Filling operations work on the piston & cylinder, & N.R.V concepts.
- Filling unit consists of 8 piston cylinder assembly & non-return valves for this. Common drive is taken.
- When bottles or jars come under filling station a stopper mechanism holds the bottles till the filling takes place and release after filling finishes.
- At a time 8 bottles will filled and comes out from exit conveyor.
- From exit conveyor bottles will be transferred to the input conveyor of capping machine.
- Capacity up to 1 liter.

Features:
- SS elegantly matt finished bodies.
- SS slat conveyors.
- Reciprocating filling nozzle (SS 316) with self-centering device to avoid foaming.
- No container no filling system to avoid spillage.
- Minimum change over time.
- Accuracy of ±0.5%
- Rigid vibration free construction for trouble free performance.
- Flow of brake fluid can be changed.
**INKJET PRINTER**  
Made in Canada

**Specifications:**
- P.C. Linkable.
- Construction is made up of Stainless Steel.
- Instant Startup and Shutdown.
- Prints on porous & non-porous surfaces.
- Graphic 128 X 64 backlight liquid with crystal display and integrated keyboard.
- Dimensions 20 X 30 X 36 Cm
- Operates on 0 – 45 degrees C, 10 – 90% relative humidity non-condensing.
- External connection product detection via 12 vdc NPN sensor with 9 ways D – Type connection.
- Software consists of Real time clock and Calendar, Expiry date, Prints logo.
- 9 Levels of Bowdlerization width adjustment character, message reverse and or invert print.
- Continuous print or print on detection with connection to PC for downloading data.
- Stores up to 45 messages and 120 characters per line.
- Pre mix inks packed with disposal cartridges.
- Oil or alcohol based inks for variety of applications.
- No pumps or a mechanical part hence low of running cost is low.
- Reliable Print heads capable of printing from 1 mm height up to 17mm height.

**VIDEOJET PRINTER**  
Made in USA

**Specifications:**
- Printheads : 1
- Inks : Dye Based
- Maximum Lines of Print : 5
- Maximum Line Speed : 162 m/min (533 ft/min)
- Environmental Protection : IP55
- Core Life (Maintenance Interval) : Up to 9,000 hours
- Umbilical Length : 2 m (6.5 ft) optional 3 m (9.8 ft)
- Message Storage Capability : 100
- Smart Cartridge : Included
- Plug & Play Printhead Modules : Included
- USB : Included
- Communications : Optional RS-232 Serial
- Positive Air : Optional
- Expanded I/O Ports & Control : Optional
- Display (User Interface) : LCD with membrane keyboard
Sales Office

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