VOLUFILL SERIES - SEMI AUTO
Bench Top (0.5L to 5L & 1L to 20L)

Specifications:
• Continuous Volumetric Filler
• Versatile to fill 0.5L to 5L & 1L to 20L
• Accuracy- +/- 0.25% of the filled Volume
• Electronic Controls to set true Volume in the Digital Panel
• Ideal for applications like Packaging of Edible Oil and Engine Oil

VOLUFILL SERIES - SEMI AUTO
Jerry Fill Flexi Nozzle (20L To 200L)

Specifications:
• Continuous Volumetric Filler
• Versatile to fill 20L to 200L
• Accuracy- +/- 0.25% Of The Filled Volume
• Electronic Controls to set true Volume in the Digital Panel
• Flexi Nozzle permits filling without moving of Barrels or Jerry Cans
• Ideal for applications like Packaging of Edible Oil & Engine Oil
VOLUFILL SERIES - AUTOMATIC REGULAR
Volufill-5000 (From 0.5L to 5L)

Specifications:
• Filling range: 0.5L to 5L
• Versatile: Minimum Adjustment Required for setting different capacities.
• Nozzle Type: Diving Nozzle with positive cut-off
• Accuracy of Filling: +/-0.25% of the filled volume
• Volume Setting: On HMI with LCD display
• No Container No Fill: Non contact sensors to facilitate “No Container no fill” as standard feature.
• Models: Available in 2, 4 & 6 head configuration
• Drip arresting tray below nozzle for accidental drip

<table>
<thead>
<tr>
<th>Volufill 5000 CDD</th>
<th>2x</th>
<th>4x</th>
<th>6x</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Speed</td>
<td>Bottles/Containers Per Hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>500ml</td>
<td>720</td>
<td>1680</td>
<td>2520</td>
</tr>
<tr>
<td>1000ml</td>
<td>600</td>
<td>1440</td>
<td>2160</td>
</tr>
<tr>
<td>2000ml</td>
<td>480</td>
<td>1200</td>
<td>1800</td>
</tr>
<tr>
<td>5000ml</td>
<td>360</td>
<td>720</td>
<td>960</td>
</tr>
<tr>
<td>Conveyor Length (Mm)</td>
<td>2400</td>
<td>3600</td>
<td>4800</td>
</tr>
<tr>
<td>Power (Kw)</td>
<td>3</td>
<td>4.5</td>
<td>4.5</td>
</tr>
<tr>
<td>Air Pressure (Kg/Sq.Cm)</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

VIDEO
VOLUFILL SERIES - AUTOMATIC REGULAR
Volufill-15000 (From 5L to 15L)

Specifications:
• Filling range: 5L to 15L
• Versatile: Minimum Adjustment required for setting different capacities.
• Nozzle Type: Diving Nozzle with positive cut-off
• Accuracy of Filling: +/-0.25% of the filled volume
• Volume Setting: On HMI with LCD display
• No Container No Fill: Non contact sensors to facilitate “No Container no fill” as standard feature.
• Models: Available in 2, 4 & 6 head configuration
• Drip arresting tray below nozzle for accidental drip

<table>
<thead>
<tr>
<th>Volufill 15000 CDD</th>
<th>2x</th>
<th>4x</th>
<th>6x</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 Liter</td>
<td>360</td>
<td>720</td>
<td>960</td>
</tr>
<tr>
<td>15 Liter</td>
<td>200</td>
<td>400</td>
<td>600</td>
</tr>
<tr>
<td>Conveyor Length (Mm)</td>
<td>2400</td>
<td>3600</td>
<td>4800</td>
</tr>
<tr>
<td>Power (Kw)</td>
<td>3</td>
<td>4.5</td>
<td>4.5</td>
</tr>
<tr>
<td>Air Pressure (Kg/Sq.Cm)</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

VIDEO
WEIGHMETRIC FILLERS - **SEMI AUTO**
Semi Automatic Weigh-metric Fillers

**Specifications:**
- For filling Barrels, Pails, Jerry cans etc.
- Coarse and Fine - Two stage nozzle shut-off
- Two modes of filling (Net/Gross)
- Zero point/Tare check ensuring 'No barrel no fill'
- Auto diverging Positive cut-off nozzle
- Auto dispensing facility in case of under fill
- Automatic Post dispensing correction
- Wetted parts constructed in stainless steel
- Heavy duty gravity roller conveyor on weighing plat
- Drip arresting tray below nozzle for accidental drip

WEIGHMETRIC FILLERS - **AUTOMATIC**
Automatic Linear Weigh-metric Filler

**Specifications:**
- Weighmetric Series
- Filling Range: 5 To 25 Kg
- Versatile: Minimum Adjustment Required For Setting Different Capacities.
- Nozzle Type: Positive Cut-Off
- Accuracy Of Filling: +/-0.1%
- Volume Setting: Wide Hmi Touch Screen Graphic Display
- No Container No Fill: Auto Tare Facilitates "No Container No Fill"
- Filling Modes: Options Available Of Filling In Net Gross Modes
- Drip Arresting Tray Below Nozzle For Accidental Drip
- Models: Available In 4,6,8 & 12 Head Configuration

<table>
<thead>
<tr>
<th>Linear Weigh Filler</th>
<th>4x</th>
<th>6x</th>
<th>8x</th>
</tr>
</thead>
<tbody>
<tr>
<td>15Kg</td>
<td>360</td>
<td>600</td>
<td>840</td>
</tr>
<tr>
<td>Conveyor Length (mm)</td>
<td>3600</td>
<td>4800</td>
<td>6000</td>
</tr>
<tr>
<td>Power (Kw)</td>
<td>6</td>
<td>7.5</td>
<td>7.5</td>
</tr>
<tr>
<td>Air Pressure (Kg/cm2)</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>
Rotary Monoblock Level Fillers

The machine is mainly used in the beverage filling operations. The three functions of bottle rinsing, filling and capping are composed in one body of the machine. The whole process is automatic. The machine of neck handling of bottles makes machine more suitable for different bottle shapes and sizes having common neck. The machine has applications in filling of Juices, Mineral Water and Purified Water in bottles made of PET or plastics. The filling operation is faster and more stable because the new partial pressure filling operation is adopted. The advanced PLC is adopted to control the machine to run automatically while a transducer is used in the bottle-entering chains to adjust speeds and coordinated with the transducer of the main machine to make the operations of moving bottle forward steadily and reliably. It is convenient to operate with higher automation because every part of the machine is inspected to run with photo electric $y$. The machine is ideal-preferred equipment for beverage makers.

Specifications:
- Dosing with Specially designed pistons
- Rotary Valve for Drip-Proof Filling.
- Facility for simultaneous adjustment of volumes on all cylinders.
- "No Container" - "No Fill" facility.
- Individual cylinder can also be set separately for one time adjustment.
- Speed can be precisely controlled with AC Frequency Control System.
- Easy adjustment of filling head height to suit different containers.
- Continuous rotary motion for higher output.
- Can fill wide range of products liquids
- Handles containers/bottles of different shapes & sizes.
- Different models for filling from 500 ml. to 5 ltrs.
- Can fill in glass / pet / hdp container / bottle

<table>
<thead>
<tr>
<th>Model</th>
<th>SP 24-24-8</th>
<th>SP 16-16-6</th>
<th>SP 12-12-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rinsing heads</td>
<td>24</td>
<td>16</td>
<td>12</td>
</tr>
<tr>
<td>Filling heads</td>
<td>24</td>
<td>16</td>
<td>12</td>
</tr>
<tr>
<td>Capping heads</td>
<td>8</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>Production capacity (b/h)</td>
<td>6000 to 7000 BPH</td>
<td>4800 BPH</td>
<td>3600 BPH</td>
</tr>
</tbody>
</table>
ROTARY FILLERS - LEVEL FILLERS
Rotary Monoblock Volumetric Fillers

This machine is mainly used in the beverage filling operations. The three functions of bottle rinsing, filling and capping are composed in one body of the machine. The whole process is automatic. The machine is more suitable for different bottle shapes and sizes having common neck. The machine has applications in filling of Juices, Mineral Water and Purified Water in bottles made of PET and other plastics. The filling operation is faster and more stable because the new partial pressure filling operation is adopted. An advanced PLC is incorporated to control the machine to run automatically, while a transducer is used in the bottle-entering chains to adjust speeds and, it is electronically linked with the transducer of the main machine to make the operation of moving the bottles forward, steadily and reliably. It is convenient to operate with higher automation because every part of the machine is inspected to run with photo electricity. The machine is an ideal equipment for beverage makers.

Specifications:
- Dosing with Specially designed pistons
- Rotary Valve for Drip- Proof Filling.
- Facility for simultaneous adjustment of volumes on all cylinders.
- "No Container" - "No Fill" facility.
- Individual cylinder can also be set separately for one time adjustment.
- Speed can be precisely controlled with AC Frequency Control System.
- Easy adjustment of filling head height to suit different containers.
- Continuous rotary motion for higher output.
- Can fill wide range of products liquids
- Handles containers/bottles of different shapes & sizes.
- Different models for filling from 500 ml. to 5 ltrs.
- Can fill in glass / pet / hdp container / bottle

<table>
<thead>
<tr>
<th>Model</th>
<th>SP 24-24-B</th>
<th>SP 16-16-6</th>
<th>SP 12-12-4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rinsing heads</td>
<td>24</td>
<td>16</td>
<td>12</td>
</tr>
<tr>
<td>Filling heads</td>
<td>24</td>
<td>16</td>
<td>12</td>
</tr>
<tr>
<td>Capping heads</td>
<td>8</td>
<td>6</td>
<td>4</td>
</tr>
<tr>
<td>Production capacity (b/h)</td>
<td>6000 to 7000 BPH</td>
<td>4800 BPH</td>
<td>3600 BPH</td>
</tr>
</tbody>
</table>
ROTARY FILLERS - LEVEL FILLERS
Rotary Monoblock Weigh-metric Fillers

Specifications:

- Directly integrated Drive (No belts no chains)
- Tool less change over, quick change over
- Covers and sifting labyrinth design for avoiding leakness (no seals)
- Modular design, capacity 500gms to 5kg. (can be customized for higher pack sizes)
- Smooth drains (curved not square or V shaped)
- Life time lubricated bearings - daily lubrication not required
- PLC controlled, large size touch screen on operator panel.
- Plug and play load cell modules (no external PCBs)
- Motorized up and down movement of tank along with nozzles
- Floor below the machine accessible for cleaning
- Nozzles can be indexed upto 30 degree to facilitate container mouth change, drip free nozzle
- Dimensions 3000*3000*2400.

VIDEO
PISTON FILLERS - **MECHANICAL FILLERS**

Automatic Mechanical Piston Fillers

**Specifications:**
- Application: For viscous and free flowing liquids
- Models: Available in 4, 6 & 8 head configuration
- Drip arresting tray below nozzle for accidental drip

PISTON FILLERS - **PNEUMATIC FILLERS**

Semi Auto Pneumatic Fillers

We offer premium quality Pneumatic Piston Fillers to our valuable customers. These fillers are manufactured from high quality raw materials that are procured from trustworthy vendors. This product is widely used in the filling of various fluids like paints, chemicals, pesticides and viscous products. Our piston fillers ensure smooth and accurate operation, durability and maximum safety. These fillers are fully tested before being dispatched to our valuable customers. We offer them in three different head configurations.

**Specifications:**
- Filling Range: 50 - 250 ml 250 - 1000 ml 1000 - 5000 ml
- Contact Parts: Stainless Steel
- Structure: Stainless Steel
- Hooper: Optional
- Speed: Adjustable filling speed
- Application: Paint, Pesticides, Chemicals, Edible & Viscous Products
PISTON FILLERS - SERVO FILLERS
Automatic Servo Fillers

Specifications:
- Filling Range: 50ml To 500ml, 100ml To 1000ml & 1 To 5 Litres
- Versatile: Minimum Adjustment Required For Setting Different Capacities.
- Nozzle Type: Positive Cut-Off With Suck Back Arrangement
- Accuracy Of Filling: +/-0.25% Of The Filled Volume
- Volume Setting: Wide HMI Touch Screen With Graphic Display
- No Bottle No Fill: Non Contact Sensors Ensure “No Container-No Fill”
- Filling Modes: User Settable Profile Filling.
- Application: For Viscous And Free Flowing Liquids
- Models: Available In 4, 6 & 8 Head Configuration
- CIP/SIP: Available As Optional Feature.
- Drip Arresting Tray Below Nozzle For Accidental Drip

<table>
<thead>
<tr>
<th>Servo Controlled Volumetric Filler</th>
<th>4x</th>
<th>6x</th>
<th>6x</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine Speed</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50ml-200ml</td>
<td>2400</td>
<td>3600</td>
<td>4800</td>
</tr>
<tr>
<td>500ml</td>
<td>1920</td>
<td>2880</td>
<td>2840</td>
</tr>
<tr>
<td>1000ml</td>
<td>1920</td>
<td>2880</td>
<td>3840</td>
</tr>
<tr>
<td>2000ml</td>
<td>1440</td>
<td>2160</td>
<td>2880</td>
</tr>
<tr>
<td>5000ml</td>
<td>960</td>
<td>1440</td>
<td>1920</td>
</tr>
<tr>
<td>Conveyor Length (mm)</td>
<td>3600</td>
<td>4800</td>
<td>6000</td>
</tr>
<tr>
<td>Power (Kw)</td>
<td>5</td>
<td>7.5</td>
<td>7.5</td>
</tr>
<tr>
<td>Air Pressure (Kg/cm²)</td>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>
LEVEL FILLERS - SEMI AUTO LEVEL FILLERS
Semi Auto Level Fillers

Coming Soon...
GREASE FILLING

Specifications:
- PLC based control panel.
- User friendly change part setting.
- Potentiometer is provided to vary speed of conveyor to synchronize machine operation according to the bottle size/volume.
- NO CONTAINER NO FILLING.
- Input Supply: 230VAC, Max. 400 Watts max.

- Air Consumption: 10CFM at 6 bars.
- Air Pressure: 8 kg/cm² Max. and 6 kg/cm² Min. (10CFM).
- Control Panel: PLC Driven with LCD Screen MMI.
- Electric Supply: 230VAC 1 Phase / 415VAC, 3 Phase, 50Hz.
- Pneumatics: Janatics/SMC Make.
- MOC of Machine: Run of Assembly in Mild Steel Epoxy Painted and other Parts in Mild Steel Chrome Plated or fully SS 304.
- Main Conveyor: Driven by ½ HP, 3 Phase, 50Hz AC Motor with Bonfiglioli Gear Box. Speed is settable with the help of VFD.
- Hopper Motor: Driven by 1 HP, 3 Phase, 50Hz AC Motor with Bonfiglioli Gear Box. Speed is settable with the help of VFD.
- Range: 250gms, 500gms, 1000gms. And multiples of the above settable values.
- Speed: 500ml: 20 - 22 bpm. * Indicates speed can vary according to the bottle volume, speed of conveyor and filling time.
- Accuracy: less than +/- 1%.

Standard Operating Procedure (SOP)
The system is meant for capping of two bottles at a time. The working principle of this machine described as follows.

Connect the Single Phase 415VAC Supply to the Machine and put the MCB ON.

The machine is gets ON by releasing the Emergency Push button and keeping the machine in AUTO MODE and pressing ‘Start Button’ on HMI Panel. Once the machine gets ON hopper motor & Conveyor gets ON.

Put the container one by another from in feed side of conveyor. As the container reach in front of the container present sensor, after given delay conveyor stop and suction & nozzle mouth open cylinders gets On to fill the grease on container.

The container is filled with required quantity of grease and both suction & nozzle mouth open cylinders gets OFF and conveyor get start to next bottle to come. The filled bottle now passed to out feed side of conveyor.

The above cycle is repeated in a same manner. Once Cycle Stop push button is pressed it stops the cycle.

Any time Emergency stop button is pressed, the machine stops its operation.
AUTOMATIC CAPPING - PNEUMATIC CAPPING
Handheld / Pneumatic Capping

Specifications:
Pneumatic cappers are similar to pneumatic screw drivers. The machine has facility to tighten the cap with required set torque.

This is manual machine and it has function of only cap tightening.

The cap to be placed manually on the bottle mouth and then the capper is used by operator to tighten the caps.

AUTOMATIC CAPPING - SERVO CAPPING
Servo Capping Single Head

Specifications:
• PLC based control panel.
• Operating Modes – Auto & Manual
• Change Part: Capping chuck to be changed as per different cap size.
• Servo Motors are used in capping heads so as to achieve accurate capping torque.
• VFD is used to vary conveyor speed as per production line requirement.
• CAP feeding through hopper via CAP shoot. NO CAP NO BOTTLE feeding
• Air Consumption – 3CFM at 6 bars only.
AUTOMATIC CAPPING - LINEAR CAPPING

Specifications:
- Cap Unscrambler: Vibratory type or Universal Hopper depending on the type of cap.
- 'No bottle no cap' as a standard feature
- Torque setting pneumatically regulated or magnetic
- Easy setting for rapid change over
- Cap elevator available with interface logic as optional
- Enclosure-optional
- Safety Interlocks - Standard Feature

VIDEO

AUTOMATIC CAPPING - ROTARY CAPPING SINGLE HEAD

Specifications:
- Cap Unscrambler: Vibratory type or Universal Hopper depending on the type of cap.
- 'No bottle no cap' as a standard feature
- Torque setting pneumatically regulated or magnetic
- Easy setting for rapid change over
- Cap elevator available with interface logic as optional
- Enclosure-optional
- Safety Interlocks - Standard Feature
AUTOMATIC CAPPING - SERVO CAPPING

Specifications:
• Cap Unscrambler: Vibratory type or Universal Hopper depending on the type of cap.
• ‘No bottle no cap’ as a standard feature
• Torque setting pneumatically regulated or magnetic
• Easy setting for rapid change over
• Cap elevator available with interface logic as optional
• Enclosure-optional
• Safety Interlocks - Standard Feature

AUTOMATIC CAPPING - MULTI HEAD CAPPING

Specifications:
• Cap Unscrambler: Vibratory type or Universal Hopper depending on the type of cap.
• ‘No bottle no cap’ as a standard feature
• Torque setting pneumatically regulated or magnetic
• Easy setting for rapid change over
• Cap elevator available with interface logic as optional
• Enclosure-optional
• Safety Interlocks - Standard Feature

VIDEO
**CONDUCTION SEALING - AUTOMATIC SEALING**

**Specifications:**
- Servo motors is used for accurate indexing.
- Servo motor speed setting is provided on HMI. It is required to set star wheel positioning as per different bottle shape & size.
- **NO BOTTLE NO FEEDING** of foil.
- Speed: 25-30 BPM (1 liter bottle), 8-10 BPM (15 liter container)
- Power consumption: 700 watts max.
- Input Supply – 415VAC, Max 500 Watt.
- Air Consumption: 5CFM at 6 bars.
- MOC: SS 304.

**VIDEO**
INDUCTION SEALING - SEMI AUTOMATIC SEALING

Specifications:
- Advanced IGBT based power and intelligent control circuits for optimum power efficiency and reliability.
- Designed for easy setup. Configured as a single unit for hassle-free mounting over a conveyor.
- Small water circulator mounted on mobile trolley.
- Efficient head designs available for optimum power transfer.
- Digital panel for power setting and signals for indicating machine status and diagnostic functions.
- In built monitor circuit for safe working parameters.
- Potential free contacts available for interfacing of alarm circuit.
- Cap monitor system with ejector - Optional

INDUCTION SEALING - AUTOMATIC SEALING

Specifications:
- Advanced IGBT based power and intelligent control circuits for optimum power efficiency and reliability.
- Designed for easy setup. Configured as a single unit for hassle-free mounting over a conveyor.
- Small water circulator mounted on mobile trolley.
- Efficient head designs available for optimum power transfer.
- Digital panel for power setting and signals for indicating machine status and diagnostic functions.
- In built monitor circuit for safe working parameters.
- Potential free contacts available for interfacing of alarm circuit.
- Cap monitor system with ejector - Optional
BOPP LABELLING

Comming Soon...
HOT MELT LABELLING

Coming Soon...
COLD GLUE LABELLING

Comming Soon...
WRAP AROUND LABELLING

Comming Soon...
STICKER LABELLING

Comming Soon...

Specifications:
A. FIXONAME – VLC
Model: FIXONAME – VLC
Application: For Labeling on Round Bottles
Suitable for 1 litre PET bottles of different dia without any change parts having variable speed, SS product conveyor, wrap around device, imported product scanner and suitable label scanner and micro processor controlled label dispenser with all base frame covers of SS duly matt finished as per GMP and output speed upto 50 BPM. (depending upon label length) and label height upto 95 mm.

B. FIXONAME – VLC – SS
Model: FIXONAME - VLC-SS
Application: Sticker Labeling on both sides of flat rectangular jerry cans
Sticker labeling machine suitable for 3 litre HDPE Jerry cans, labeling on single side, Model FIXONAME - VLC-SS having following specifications.

- SS Slat conveyor with a variable speed for product. Length of the conveyor will be 2.5 meters approximately.
- Imported product scanner and imported label scanner will be provided
- Height adjustable stabilizer belt will be provided over the conveyor for holding the bottle during labeling.
- Pressure roller for pressing the labels on bottles will be provided for single side after dispensing.
- Roll holder will be provided on dispenser frame can accommodate 250-300 mm dia.
- PLC controlled label dispenser with IMPORTED SERVO MOTOR with driver (Label placement accuracy + 0.5 mm to 0.75 mm)
- All outer coverings of the body frame will be of SS duly matt finish.
- Output speed of the machine will be upto 25-40 cans/min.(depending upon label length) and machine will be suitable for label height upto 100 mm.
PRE FILL INSPECTION - SINGLE HEAD LEAD DETECTION

Specifications:

- Low Power Consumption: 50W.
- Elegant design, Compact & Light weight.
- Highly accurate, efficient & friendly to set.
- Can detect micro leak or up to 0.1 mm thick hole too.
- HMI digital control panel.

AFTER SEAL LEAK DETECTOR - PRESSURE INSPECTION

Specifications:

- Low Power Consumption: 50W.
- Elegant design, Compact & Light weight.
- Highly accurate, efficient & friendly to set.
- Can detect micro leak or up to 0.1 mm thick hole too.
- HMI digital control panel.
STICKER LABELLING

Specifications:

A. FIXONAME – VLC
Model: FIXONAME – VLC
Application: For Labeling on Round Bottles
Suitable for 1 litre PET bottles of different dia without any change parts having variable speed, SS product conveyor, wrap around device, imported product scanner and suitable label scanner and micro processor controlled label dispenser with all base frame covers of SS duly matt finished as per GMP and output speed upto 50 BPM. (depending upon label length) and label height upto 95 mm.

B. FIXONAME – VLC – SS
Model: FIXONAME – VLC-SS
Application: Sticker Labeling on both sides of flat rectangular jerry cans
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- Imported product scanner and imported label scanner will be provided
- Height adjustable stabilizer belt will be provided over the conveyor for holding the bottle during labeling.
- Pressure roller for pressing the labels on bottles will be provided for single side after dispensing.
- Roll holder will be provided on dispenser frame can accommodate 250-300 mm dia.
- PLC controlled label dispenser with IMPORTED SERVO MOTOR with driver (Label placement accuracy + 0.5 mm to 0.75 mm)
- All outer coverings of the body frame will be of SS duly matt finish.
- Output speed of the machine will be upto 25-40 cans/min. (depending upon label length) and machine will be suitable for label height upto 100 mm.
PRE FILL INSPECTION - SINGLE HEAD LEAD DETECTION

Specifications:
• Low Power Consumption: 50W.
• Elegant design, Compact & Light weight.
• Highly accurate, efficient & friendly to set.
• Can detect micro leak or up to 0.1 mm thick hole too.
• HMI digital control panel.

AFTER SEAL LEAK DETECTOR - PRESSURE INSPECTION

Specifications:
• Low Power Consumption: 50W.
• Elegant design, Compact & Light weight.
• Highly accurate, efficient & friendly to set.
• Can detect micro leak or up to 0.1 mm thick hole too.
• HMI digital control panel.
AFTER SEAL LEAK DETECTOR - VACUUM INSPECTION

Specifications:
Why After Seal Leak Detector:-
In the production line leakages in the bottles are observed due to various reasons. Some times pin holes in the bottles which are not detected while filling, some times partial induction sealing or no sealing etc. This makes the filled cartons soggy with oil and even calls for market recalling of product which increases cost.

After Seal Leak detector have following benefits:-
1) Saves Carton
2) Saves Bottles and Labels
3) No rework or recalling of product
4) Makes good brand image.

Online After Seal leak testing by the principle of fall in internal force.

After seal online leak detector cum package validation machine was developed by us so that one can reject the leaking bottles online without damaging the temper evident seal or opening the cap of an induction sealed bottles or otherwise sealed bottles.

This machine is a high speed online equipment with state of art hardware and touch screen HMI which displays the accept and reject count together with the graphic display of fall in internal force due to leakage.

This machine is operated by three servomotors and precision gearbox with less than 6 micron backlash to achieve high efficiency and long life of the equipment.

The infeed magic conveyor sends one pack at a time which could be matched to the output feed of the filling and sealing machine.

The rejected packages are collected on the rejection table by a diverter where as the accepted bottles go ahead for final packing.

This is an intelligent machine which has a teach mode in order to set the acceptable levels in the fall of internal force.

It can detect less than 50 micron pinholes in the package under test. Even can detect under filled bottles by say 10 to 15% of the final volume, hence rejects empty or under filled bottles even if they are properly sealed.

- Air Consumption: 1 CFM
- Maximum Pressure: 6 kg/cm²
- Minimum Pressure: 4 kg/cm²
- Input Power Supply: 415 VAC, 50Hz, 16 Amps.
- PLC Based Control Panel.
- Speed: For 1000ml: 80 to 90 bpm*
  * Indicated speeds can vary according to the speed of Conveyors.
- User friendly LCD Touch Screen Last 10 bottle's data displayed in MMI screen.
- Daily production display with Reset facility
- Rejeter with buzzer to indicate reject bottle.
- Data logging possible on request.
RIGID CASE PACKING

Specifications:
Product: 1 ltr, 500ml Lube oil filled HDPE Bottles
Speed:
• 120 Bottles/min ; Matrix - 4x5 = 20 for 1000ml
• 120 Bottles/min ; Matrix - 4x5 = 20 for 500ml

MACHINE DESCRIPTION
Our system includes:
• Module M1 (Infeed pick up Conveyor): The filled bottles will come on the infeed Conveyor of 3.6 mtr long
• Module M2 (Matrix Conveyor): The bottles move forward to M2 through diverter onto Matrix conveyor. The matrix of (4x5 = 20 bottles) will be formed on this conveyor.
• Module M3 (carton infeed): Formed cartons will be move on a this conveyor of 2.4mtr long Belt Conveyor.
• Module M4 (case packer): The Matrix of bottles from Matrix conveyor are picked up and placed inside empty cartons at the case packer junction. The pickup of bottles will be made by a specially designed Grippers to ensure that every bottle from the matrix is picked-up.

MACHINE FUNCTION:
• The ready bottles will come on High speed Pick up conveyor.
• There will be divert to divert the bottles to come on the Matrix Conveyor.
• There will be separators to guide the bottle to make the array. After completing the full Matrix of 4 x 5 for 1L on Pick up conveyor at two positions, the complete matrix will be picked up by Gripper.
• These bottles will be inserted into the erected cartons on Carton Conveyor.
• We have considered Pick and Place System with Pneumatic Gripper to pick up Bottles.
• The X axis will driven by Servo Drive system and Y axis by Pneumatic unit.
• The system will do 6 pick & Places per min.
• The system is fully automatic.

ADVANTAGES OF OUR AUTOMATIC MACHINE
• Our machine can work 24 x 7
• Requires minimum space to install & easy to handle.
• Elimination of human fatigue.
• It can double your productivity by running the machine at full speed.
• Fully Automatic & Highly programmable.
• Proven Technologies.

Flap Folding Arrangement :- A unique design flap folding arrangement will be provided for Folding the Top flaps of the carton (Bottom flaps were folded manually when the carton was formed and placed on the carton conveyor.) Flap folding arrangement will be pneumatically driven, with PLC interface.

Top and Bottom Tap Sealing System :- The machine will be applying self Adhesive BOPP Tapes of 2" size on the Top and Bottom of the Carton received after the matrix is filled in the carton.

Controls and Electronics :- The system will be controlled by PLC interface. A 5 1/4" VGA screen will be provided as HMI for displaying the various commands and also for setting the various parameters. The controller will have IP - 55 protection. The control panel will be from Rital or other reputed make.

Connection to Main PLC of the Purchaser :- We will provide profibus interface to connect the main PLC to our system. The cabling from the main PLC to Case packer shall be in scope of the purchaser.
OMEGA SEAL

The structure of Omega-Seal lining materials ensures that effective sealing can be achieved with virtually every container type, thanks to the resilient nature of our material. OMEGA SEAL lining materials provide a clean and excellent solution for general purpose sealing of bottles when used to line both PE and PET containers. The typical applications for the OMEGA SEAL are where the once the bottle is opened and resealing is not very important.

Specifications:
- Lubricants / Petroleum products
- Cosmetics / Personal Care Products
- Dairy Products / Confectionary
- Edible Oils
- Herbal Powders
- Jams / Tea or Coffee powders / Spices

SUNSEAL AGRO

Specifications:
- Chromo Board 0.9mm
- Wax coat 15-18 gsm
- Aluminium Foil – 30 micron
- Protective lacquer Silver-12 micron
- Heat seal Poly -75 micron (total thickness 1.1 mm +)

HOLO SAFE

Specifications:
Holo-safe series induction liners are designed keeping product security in mind. These are the security seals which will make sure of no pilferage. The holograms are 3 dimensional security seals printed with specific security logo so that duplication of the product is almost impossible. The hologram printed foil can be bonded to duplex pulp board or EPE as per the requirement.
SUNSEAL SIGMA

SUNSEAL- PE (HDPE) is an induction seal that provides permanent and tamper-evident seal to PE bottles.

Applications: Typical application include dry powders as well as liquid such as edible oils/engine oils/coconut oils and medicines and pharmaceuticals etc.

Two piece
- Coated duplex board – 0.8mm
- Adhesive - 13-15 gsm
- Aluminium foil - 30 micron
- Sealable layer - 38 micron (total thickness of seal: 1mm +)

One piece
- 80 gsm poster paper
- 15 micron poly
- 30 micron foil
- 38 micron polyethylene (total thickness: 0.6mm)

GLASS BOTTLE SEAL

Specifications:
- Delta-Seal is specially designed seals for Glass bottles.
- Glass bottles being having poor bonding quality getting the right seal is very important.
- Delta-Seal is special laminate with suitable Sealing Layer which is having great bonding characteristics with glass.
- Now there will be no leakages if Delta- Seals are used.

PULL N PEEL

Specifications:
- Pull 'n' Peel inner seals are the solution for hard to open containers.
- Pull 'n' Peel inner seals can seal any plastic bottle surface; polyethylene, polyest, PVC, polystyrene and can be used with either dry or liquid contents.
- Some of the seals are really difficult to break. Some times it happens that you may brake your nail but not the seal. You might have spoiled your cloths in some occasions while opening the bottles.
- "Pull n Peel" is the most suitable option for such applications.
- In pull n peel seal induction liners a pull tab is attached for easy removal of the seal. The sealing laminate is selected in such a way that it peels off very easily.
- The suitable applications are Juice, ketchup, dairy products and food stuff applications.