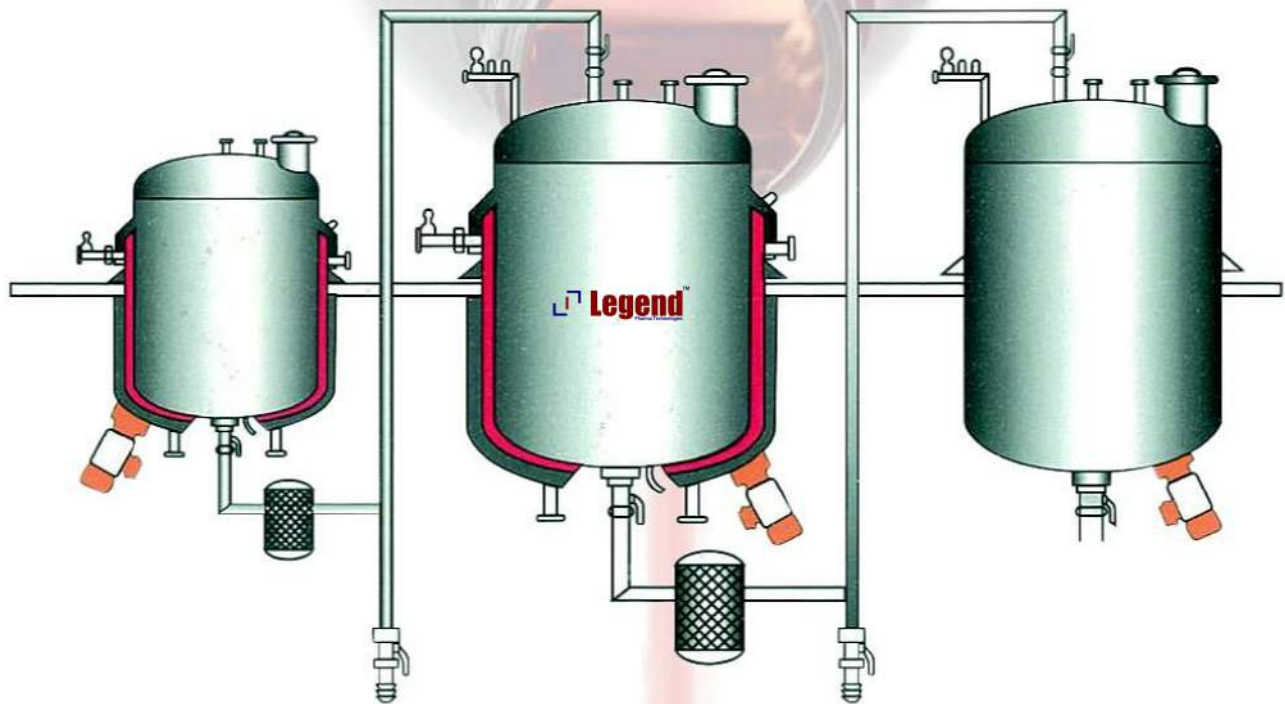


Liquid

SYRUP MANUFACTURING SECTION



Automatic Liquid Manufacturing Plant

Salient Features :

- Capacity ranges from 50 L to 15,000 L.
- Advanced design hence requires less manpower.
- All material transfers are done by vacuum or by transfer pumps.
- The gaskets used are of silicon (food grade).
- Baffles provided in vessels to reduce mixing time and create Turbulence.
- Sight glass on manhole for in process observation.
- All contact parts are of SS316 quality material & finished to class 4B (Mirror) finish and are crevice free.
- Top mounted stirrer/homogeniser also available.
- All vessels are suitable for internal pressure of 1 Kg/cm². and hence can be sterilized.
- In built CIP system for cleaning and washing of vessels from inside.
- Electro polished Interconnecting pipeline and TC Fittings for Easy Cleaning & Assembly.
- Digital display of temperature, time, voltage & ampere.
- PLC based fully automatic plant. (Optional).
- In compliance with cGMP.



Filter Press Zero Hold Up

Salient Features :

- Models are available in 8" , 14" ,18" ,24" .& 33" diameter.
- Complete filtration of the batch without any hold up due to reverse flow of liquid, making it cost efficient and time saving.
- Back wash facility can be provided for continuous operations.
- Additional scavenging arrangement not required.
- Available with centrifugal gear/lobe pump.
- No contamination of internal surface of shell.
- Pressure gauge, safety valve & air vent provided to ensure safe operation.
- The top dome structure ensures fast & easy removal of cartridge assembly & cleaning of cake.
- In compliance with cGMP.

Inline Homogeniser

Salient Features :

- Model available IH – 100 to IH – 3000.
- Advanced design of stator and rotor.
- Available for both batch and continuous production.
- Inbuilt mechanical seal.
- High degree of sanitary finish.
- All contact parts are SS 316/316 L.
- In compliance with cGMP.



Colloid-mill

Salient Features :

- Flame proof motor and starter(optional).
- Superfine grinding with simultaneous emulsifying, dispersing and homogenizing in a single process.
- High capacity with minimum space requirements.
- Quick and easy cleaning by flushing of water or suitable solvents.
- All contact parts are 316 material.
- Easy-to-dismantle operating parts.
- Wide variety of applications possible.
- Continuous and reticulating method of operation possible.
- Water jacketed model for cooling the materials.
- In compliance with cGMP.

Technical Specification

MODEL-LPTCM	
Output (Litres/Hour)*	150 to 1500
Rotor Speed (RPM)	2850
Hopper Capacity (Litre)	15
Electrical Motor (kW/hp)	3.70/5.00
Power supply	(a) 415V / 480V / 3 Phase / 50Hz

*Depending upon the product

BOTTLE WASHING SECTION



Automatic Air Jet Cleaning Machine

Salient Features :

- Positive air pressure and vacuum cleaning.
- operator friendly.
- Stationary S.S. nozzles.
- Automatic loading and unloading of container.
- Separate control for air pressure and vacuum cleaning.
- Higher capacity blower to clean properly.
- S.S. pressure gauge.
- In compliance with cGMP.

Technical specification

Model	LPTAJC-120
Out put / Hour	70 to 90 BPM
Direction of Movement	Left to Right
Electrical Specification	0.5 HP / 415 Volts / 50 Hz. 0.5 HP x 2 = 2 HP / 415 Volts / 50 Hz.
Cleaning Cycle	Positive air pressure and vacuum cleaning
Working Height	860 to 910 mm
Input-Container Dia.	30 mm to 60 mm Height 110 mm maximum

Automatic High Speed Linear Bottle Washing Machine (Tunnel Type)

Salient Features :

- Machine totally fabricated from SS Materials, including the basic frame.
- High-pressure spray nozzles ensure perfect wash of Bottles.
- All contact parts (washing zones / jet) are made from SS 316 materials.
- The machine suitable for handling washes of round and flat glass bottle (With help of change parts).
- Water re-cycling arrangement is possible as per customer's requirement.
- Machine is totally rigid and withstands continuous operation for long working hours.
- Higher capacity centrifugal pump to wash bigger container. The machine will be provided with SS pumps and SS tanks
- Machine equipped with safety devices to ensure smooth operation with high output.
- In compliance with cGMP.



Model	LPTLBWM120	LPTLBWM240
Out put	90 bottles / min	180 bottles/min
Power consumption	5 HP	5 HP
Number of pockets across	10	20
Water consumption	400l tr/hr	750ltr/hr
Air consumption	21 CFM	35 CFM
Wash cycle	3 inner + 1 outer + air	

Rotary Bottle Washing machine



Salient features

- Geneva Mechanism.
- All contact parts are ss 316
Stationary nozzles eliminate contamination of water cycles and avoid chipping of bottle necks.
- Individual solenoid valve for each washing sequence that eliminates carbon plate and other accessories reduce leakage and maintenance to minimum.
- Bottle guide especially for light weight bottle.
- Pumps and tanks are mounted on portable stand for easy maintenance.
- Separate control panel to avoid any short circuit due to spraying of water.
- In compliance with cGMP.

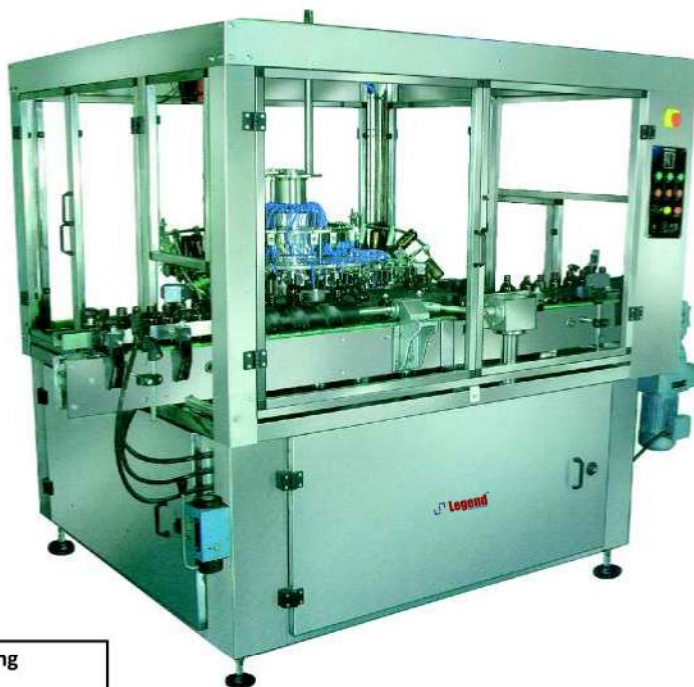
Technical Specifications

Model	LPTRWM-64	LPTRWM-96
Output / Hour	60 BPM to 80 BPM	80 BPM to 120 BPM
No. of Container Holder	64	96
Direction of Machine	Clock wise	
Electrical Specification		
Main Motor	0.5 HP / 415 Volts / 50 Hz.	
Pump Two Nos.	1 HP x 2 = HP / 415 Volts / 50 Hz	
Electric Heater	3 Kw.	
Tank Capacity	75 Litres S.S. 304 (2 Nos.)	
Wash Cycle	4 Inner + 1 Outer	

Automatic Rotary Rinsing Machine (Grip Master)

Salient features:

- Fully automatic operation with PLC.
- Centralised lubrication.
- Output ranging from 60BPM to 240BPM.
- Less bottle change over time.
- Machine has separate round tray for spray water collection prior to its drain.
- Compact Design.
- Strong and sturdy construction.
- Rinsing from outside (optional) and inside of the bottle.
- High pressure Pumps and tanks are mounted on machine.
- Multistage (both air/water) rinsing machine can also be designed.
- In compliance with cGMP.



Description	Model	No. of Heads	Output (BPM)	Washing Cycles
Rotary Type (Auto Loading and Unloading)	Grip master 20	20 Heads	60 to 120	3 stages + 1 air
	Grip master 24	24 Heads	80 to 150	3 stages + 1 air
	Grip master 30	30 Heads	100 to 180	3 stages + 1 air
	Grip master 40	40 Heads	200 to 240	3 stages + 1 air

LIQUID FILLING SECTION

Semi-Automatic Volumetric Liquid Filling Machine



Salient features:

- Semi Automatic with filling range from 5 ml to 1000 ml.
- Accuracy $\pm 1\%$ in single doze.
- Speed can vary depending upon capacity of bottles.
- Body covered with SS sheet.
- All contact parts are SS 316.
- A unit to fill variety of liquid and can be used for various type of bottles.
- Less change over time from one size to another bottle or fill size.
- In compliance with cGMP.

Model	LPTSFL-40
Out put / Hour	24 BPM to 35 BPM
Number of head / Syringes	2 Nos.
Fill Size	5 ml to 1000 ml
Electric Specifications	0.5 HP / 415 Volts / 50 Hz (Main Machine) (1 HP if Maximum volume is 1000 ml in single doze)
Change parts required	[A] Syringes [B] Nozzle [C] Inlet & outlet hose pipe

Automatic Volumetric Liquid Filling Machine

Salient features :

- $\pm 1\%$ Filling accuracy on single dose.
- No bottle No filling system.
- Minimum change overtime, from one size to another container or fill size.
- Pneumatic bottle stopping arrangement.
- Ac variable drive for main motor & conveyor belt for easy synchronisation.
- Safety guard for conveyor gear box, motor and pneumatic cylinders.
- Inbuilt protection against over load, Voltage fluctuation.
- All contact parts are SS 316.
- In compliance with cGMP.



Technical Specifications

Model	LPTALF-100	LPTALF-150	LPTALF-200
Out put / Hour	60BPM to 80BPM	100BPM to 120BPM	130BPM to 150BPM
Direction of Movement	Left to Right		
Number of head/Syringes	4 Nos.	6 Nos.	8 Nos.
Fill Size	5 ml to 1000 ml		
Electric Specifications			
Main Machine	1 HP / 415 Volts / 50 Hz	1.5 HP / 415 Volts / 50 Hz	
	(1.5 HP if maximum volume is 1000 ml is single doze)	(2 HP if maximum volume is 1000 ml is single doze)	
	0.5 HP / 415 Volts / 50 Hz		

Rotary Piston Filling cum Sealing Machine (Monoblock)



Salient features :

- No contamination as immediate ceiling of filled bottle.
- Accuracy $\pm 1\%$ accuracy due to piston dozing principle.
- Centralised Volume Adjustment System – no down time in volume settings.
- No Bottle – No fill for individual head, hence no spillages.
- Mechanical/Electronic liquid level controller & pneumatic flow control valve.
- Combination of filling and plastic screw capping also available.
- Quick, Easy & Tool less change over.
- CIP (cleaning in place) also available for cleaning all product contact parts.
- All contact parts are SS 316/316 L.
- PLC Control panel (optional).
- In compliance with cGMP.

Model	LPTRFS 4 x 4	LPTRFS 6 x 6	LPTRFS 8 x 8	LPTRFS 12 x 8	LPTRFS 16 x 8
Out put / Hour	60 BPM	100 BPM	120 BPM	150 BPM	240 BPM
No. of Syringe/Head	4 x 4	6 x 6	8 x 8	12 x 8	16 x 8
Fill Size	30 ML to 250 ML				
Electric Load	3 HP	3 HP	3 HP	3 HP	5 HP

BOTTLE CAPPING & SEALING SECTION

Semi Automatic ROPP Cap Sealing Machine

Salient features:

- The unit is made compact & versatile.
- S.S. elegantly matt finished body.
- Built in front control panel.
- Quick setting.
- Motorised head movement.
- No change parts require for different container diameter.
- Low noise level, low power consumptions.
- Adjustable bottle height gauge for easy and quick setting.
- SS cladding or hard chrome plating of all exposed parts to ensure long life and resistance against corrosion.
- Sealing pressure can be varied to suit different gauges and size of caps
- In compliance with cGMP.

Model	LPTSRCs-40
Out put / Hour	25 BPM to 35 BPM
No. of sealing head	1 Nos.
Electric Motor	1 HP / 440 Volts / 3 Phase / 50 Hz (Four wire) For main machine
Change parts required	Cap Die if cap diameter change.





Automatic Single Head ROPP Cap Sealing Machine

Salient features:

- No bottle No cap arrangement.
- Adjustable height of conveyor belt, to align with other machine of the line.
- Sealing pressure can be varied to suit different gauges and size of caps.
- Low noise level, low power consumptions.
- S.S. cladding or hard chrome plating of all exposed parts to ensure long life and resistance against corrosion.
- VFD to synchronize, Conveyor, Star wheel and Platform turret & capping bowl.
- Adjustable bottle height gauge for easy and quick setting.
- In compliance with cGMP.

Model	LPTASRCS-60	
Out put / Hour	36 BPM to 50 BPM	
Direction of Movement	Left to Right	
No. of sealing head	1 Nos.	
Electric Specifications	Main Motor	1 HP / 415 Volts / 50 Hz.
	Cap Feeling Bowl	300 Walt, Magnetic coil
Change parts required	(A) Container: Star Wheel, Back Guide, Feed Worm (B) CamDie, Delivery Chute, Bowl	

Automatic Multi Head ROPP Cap Sealing Machine

Salient features:

- No bottle no cap sensor.
- S.S. elegantly matt finished body.
- Adjustable height of conveyor belt, to align with other machine of the line.
- Sealing pressure can be varied to suit different gauges and size of caps.
- Low noise level, low power consumptions.
- Drain tray around the machine platform.
- VFD to synchronize, Conveyor, Star wheel and Platform turret & capping bowl.
- Universal coupling for quick and easy setting of In-feed worm.
- Adjustable bottle height gauge for easy and quick setting.
- In compliance with cGMP.



Model	LPTAMRCS-100	LPTAMRCS-150	LPTAMRCS-200
Out put / Hour	60BPM to 80BPM	90BPM to 120BPM	120BPM to 160BPM
Direction of Movement	Left to Right		
No. of head	4 Nos.	6 Nos.	8 Nos.
Electric Specifications	Main Motor		2HP/415 Volts/50Hz
	Cap Feeding Bowl		0.25HP/415Volts/50Hz
Change parts required	(A) Container: Star wheel, Centre guide, Feedwarm (B) Cap: Die, Delivery chute, bowl		



Semi Automatic Screw Capping Machine

Salient features:

- The unit is made compact & versatile.
- Built in front control panel.
- Quick setting.
- Motorised head movement.
- No change parts require for different bottle diameter.
- Adjustable bottle height gauge for easy and quick setting.
- In compliance with cGMP.

Model	LPTSSCM-40
Out put / Hour	25BPM to 32BPM
No. of sealing head	1 Nos.
Electric Motor	1 HP/440 Volts/3 Phase/50 Hz (Four wire) for Main Machine
Change parts required	Cap Die if cap diameter change.

Automatic Single Head Screw Capping Machine

Salient features:

- No container no cap arrangement.
- Single motor synchronize conveyor, star wheel & platform turret.
- Adjustable height of conveyor belt.
- All contact parts are made out of stainless steel.
- Pick & Place arrangement.
- Torque adjustable.
- Low noise level, low power consumptions.
- In compliance with cGMP.

Model	LPTASCM-50
Out put / Hour	30BPM to 40BPM
Direction of Movement	Left to Right
No. of sealing head	1 Nos.
Electric Specifications	
Main Motor	1.0 HP/415 Volts/50 Hz
Cap Feeding Bowl	300 watt
Changes parts required	(A) Container: Star Wheel, Back Guide, Feed Worm (B) Cap Die, Delivery Chute, Bowl & S.S. Star wheel



Automatic Multi Head Screw Capping machine



Salient features:

- No bottle no cap sensor.
- Single motor synchronize conveyor, star wheel, & platform turret.
- Adjustable height of conveyor belt.
- All contact parts are made out of SS 304.
- Pick & Place arrangement.
- Torque adjustable.
- Low noise level, low power consumptions.
- In compliance with cGMP.

Model	LPTAMSCM-100	LPTAMSCM-150	LPTAMSCM-200
Output / Hour	60BPM to 80BPM	90BPM to 120BPM	120 to 160BPM
Direction of Movement	Left to Right		
No. of head	4 Nos.	6 Nos.	8 Nos.
Electric Specifications	1.0 HP/415 Volts/50Hz 300 watt		2HP/415 Volts/50Hz
Main Motor			
Cap Feeding Bowl			
Change parts required	(A) Container: Star wheel, Black guide, Feedwarm (B) Cap Die, Delivery chute, bowl & S.S. Star wheel		

Automatic Measuring cup placement

Salient features:

- No bottle no cup sensor.
- Adjustable height of conveyor belt, to align with other machine of the line.
- Specially designed hopper is provided to increase storage capacity of bowl.
- Low noise level, low power consumptions.
- VFD to synchronize, Conveyor, Star wheel and Platform turret & capping bowl.
- Rigid & vibration free construction for trouble free operation and performance.
- In compliance with cGMP.



Model	LPTMCP-150
Output / Hour	90 BPM to 120 BPM
Direction of Movement	Left to Right
Electric Specifications	
Main Motor	0.75 HP/220 Volts/50Hz
Cap Feeding Bowl	300 Watt Magnetic Coil
Change parts required	(A) Container: Star wheel, Black guide, Feedwarm (B) Cap Delivery chute bowl

BOTTLE INSPECTION

Inspection Table with B/W back

Salient features:

- Speed can be varied through VFD.
- Direct gear drive.
- Length can be made as per customer requirement.
- PVC black & white board as per cGMP norms.
- Adjustable height of conveyor belt, to align with other machine of the line.
- Rigid Vibration free Construction for trouble free performance.



Model	LPTVBI-100	LPTVBI-150
Direction of Movement	Left to Right	
Output	Up to 80 BPM	Up to 120 BPM
Number of operator	Four (2x2, Two Side Seated)	Six (3x2, Two Side Seated)
Power Characteristics	0.5 HP/220 Volts/50 Hz	0.5 HP/220 Volts/50 Hz

Inspection Table with Magnifying Glass

Salient features:

- Construction AISI S.S. 304 Quality.
- Special self-aligning bearings ensure smooth and trouble free operation.
- Suitable for different type of bottles.
- S.S. Elegantly Matt Finished Body.
- Reduction gears ensure jerk free and noiseless operation.
- In compliance with cGMP.

Model	LPTITMG-100	LPTITMG-150
Direction of Movement	Left to Right	
Output	Up to 80BPM	Up to 120BPM
Number of operator	One (1x1, One Side Seated)	Two (1x2, Two Side Seated)
Dome Diameter	250 mm (1 Nos.)	250 mm (2 Nos.)
Power Characteristics	0.5 HP / 220 V / 50 Hz	



Turn Table

Salient features:

- Construction AISI S.S. 304 quality.
- Speed can be controlled through VFD.
- Special self-aligning bearings ensure smooth and trouble free operation.
- Suitable for different type of container.
- Reduction gears ensure jerk free and noiseless operation.
- cGMP model.



Model	LPT-TT-36
Direction	Clockwise/Anti Clock wise as per requirement
RPM of Disk	VFD
Power Characteristics	0.5 HP/415/50 Hz
Height of Disk	860 mm to 910 mm