

KOPACK

PACKAGING WITH SMART WAY

ISO9001:2015



PRODUCT CATALOGUE

**Manufacturing
Company
of all kinds
Liquid Filling
Machines**





ABOUT US

"Established in the year 2002, we, 'Komal Enterprises', are a prominent enterprise, involved in manufacturing, supplying, importing and distributing a range of Packaging & Sealing Machines and Ink Code Printers. The range offered by us encompasses Table Top Vacuum Packaging Machine, Floor Top Vacuum Packaging Machine, Hand Wrapper Machine, Floor Top Wrapping Machine, Induction Sealer Machine, Dry Ink Coder Machine and Semi Automatic Box Strapping Machine. Along with these, we offer Label Dispenser Machines, Gravimetric Weight Dispenser, Hot Air Gun, Hand Wrapper Machine, Continuous Sealer, Pedal Foil Sealer and many more All our products are developed by the experts using excellent quality raw material following international quality norms. Moreover, to meet the diverse requirements of clients, we offer all our machines in variegated sizes, designs and specifications. Our products are widely applauded by the clients for their characteristics like excellent speed, easy operations, reliability and low maintenance cost. Further, the products offered by us find wide applications in agriculture and food industry.

We have established an ultra-modern infrastructure facility, which helps in streamlined execution of all the business operations. This facility spreads over an extensive area of land, which benefit our experts in completing the business tasks in a well-coordinated way. The infrastructure of our organization is installed with advanced machines and tools due to which we are able to meet the bulk orders of the clients. All our manufactured and procured products are safely kept in our capacious warehousing unit. Moreover, we are able to face no delays in delivering the products at the customers' end due to the excellent connectivity of our warehouse with transportation modes like air and road. All the above mentioned activities are properly handled by our team of diligent experts, which constantly work hard with each other to attain the organizational targets in an efficient way and within the deadline. Further, from the last 10 years, we are an authorized distributor of Sevana, which is an ISO 9001:2000 certified firm. Owing to the vast infrastructure facilities, capacious warehousing unit and diligent pool of experts, we have been able to garner a huge clientèle for ourselves across the market."

SEMI AUTOMATIC ROTARY BOTTLE WASHING MACHINE

SCIENTIFIC FEATURE



- Bottle indexing system is based on Geneva drive mechanism.
- Suitable for various types of Round and Flat Bottles.
- Easy & Smooth Operation.
- Four inner, one outer and one air wash
- Customized Washing Sequence
- Stationary nozzles eliminate contamination of water cycles & avoid chipping of bottle necks.
- High Pressure spraying Nozzles ensures Perfect Wash of Bottles.
- Easy Manual loading and unloading with two rows.
- Individual solenoid valve for each washing sequence
- Higher capacity centrifugal pumps to wash bigger bottles (500 & ml)
- Pumps and tanks are mounted on portable stand for easy maintenance.
- Water Re-cycling arrangements is possible as per customer's requirement.

TECHNICAL SPECIFICATION

MODEL NO.	
Diameter of Bottle	24mm to 100mm
Neck Diameter of Bottle	20mm to 40mm
Output	60 to 100 bottle per minute depending upon the human efficiency
Height of bottle	Up to 290mm
Motor Of Main Drive	1/2 HP / 415 V/3 Phase /50 HZ/ 1000RPM
Electric Heater Tank	3KW
Power Requirement	5KW
Dimensions	1650mm L X 1600mm W X 1300mm H

AUTOMATIC SINGLE HEAD AUGER POWDER FILLING MACHINE

SCILENT FEATURE



- CGMP Model
- Complete validation support through well defined IQ OQ OQ Document
- All contact parts with powder are in AISI 316L
- Machine body and frame made using AISI 304 and top plate is manufactured from Mild steel with AISI 304 coding
- Works on Auger metric principle with either clutch/ Servo mechanism for precise operation
- Weight variation: Less than +/- 5.0 % subject to the powder nature, fill weight & speed.
- Minimum change parts. hence quick changeover.
- No Change Part require for change in bottle height
- Virtually no powder loss
- Variable speed for slat conveyor due to the use of sensor less variable frequency drive.
- No dripping - drip control mechanism to control dripping after completion of dosing.
- Lower cost of production
- Simple operation - easy to operate & maintain
- Virtually maintenance free machine
- No Bottle - No Fill Mechanism- to avoid wastage of medicament in absence of bottle.

TECHNICAL SPECIFICATION

Machine Direction	Left to Right
Production Rate	30 Bottleper minute for 5 GMS and 10 GMS filling Note: Output subjectto powder properties
Fill Volume (Range)	5 Gms to 500 Gms
Bottle Diameter	25 MM To 80 MM MAX.
Filling Accuracy	+/- 5.0 % subject to the powder nature, fill weight & speed.
Hopper Capacity	18 Liter
Power Consumption	1.5 HP
Power Connection	415 VAC, 50 Hz ,3PH + N
Machine Dimension (L X W X H) MM	1800 mm X 915 mm X 1600 mm

AUTOMATIC LIQUID FILLING MACHINE

SCIENT FEATURE



- CGMP. compact & modular design
- Machine body made using AISI 304.
- All contact parts with liquid made using AISI 316L.
- Tool Less Guide Rails for Easy Adjustment for container. Fill volume can be adjusted with the help of adjustable eccentricity of ram shaft.
- Wide range of syringe selection available to fill from 5 ml to 1000 ml
- Self centering device to take care of non concentricity of container to certain extent.
- Foaming & spillage is avoided due to diving nozzles. Long Liquid collection tray with outlet below
- conveyor to Safeguards transmission assemblies.
- No Bottle - No filling arrangement

TECHNICAL SPECIFICATION

Mode	NKLF-100
Output	100 Container per minute depending upon the fill volume
Filling Accuracy	±1 %
Filling Range	2 ml to 500mm (Above 500ml Help of Stroke system)
No of Filling Head	8 head
Power requirement	440v 3 Phase 50Hz 4 Wire System
Electrical supply	2 HP
Container Diameter	16 mm to 100 mm (With the help of change part)
Container Height	Up to 100 mm
Net Weight	200 KG

SEMI AUTOMATIC BOTTLE LIQUID FILLING MACHINE

SCILENT FEATURE



- All Contacts parts with liquid are made using AISI 316L
- Machine frame construction is of AISI 304 & imparts vibration free operation.
- The stroke of Nozzle Holder & height of the Nozzles is adjustable for achieving smooth entry and exit of Nozzles inside the neck of Containers and avoids splash/ spillage of liquid or dripping at sides.
- Spring loaded Nozzle holder result in to no breakage of Containers even in the event centring is not done correctly
- Wide range of selection of Syringes available to fill from 5 ml to 1000 ml.
- Accurately Designed Non-Return valve to achieve drip proof filling result & avoid messy Platform and Containers.

TECHNICAL SPECIFICATION

MACHINE NAME	SEMI-AUTOMATIC BOTTLE LIQUID FILLING MACHINE
Model	TGLF-30S
Output	25 Container per minute
Filling Accuracy	±1 %
Filling Range	2 ml to 500ml (Above 500ml Help of Stroke system)
No of Filling Head	2 head
Power requirement	230 V ,single phase , 50 HZ
Electrical supply	0.5 HP
Container Diameter	16 mm to 100 mm
Height	Upto 100 mm
Net Weight	100 KG

AUTOMATIC SERVO GEAR PUMP LIQUID FILLING MACHINE

SCILENT FEATURE



- CGMP Model Modular & Rugged Construction
- Machine body, door is fabricated using Stainless Steel Material
- All contact part with liquid are made from AISI 316L /Silicon/ PTFE. "No Bottle - No Fill" saves valuable liquid & down time for cleaning. Individual Servo motor based gear pump for each filling head for accurate metering of the liquid.
- Tool less adjustable conveyor guide rails to accommodate with different products
- Diving Nozzle to reduce bubbling of foamy liquids. Servo Motor driven Centrifugal pumps.
- Fill volume setting through Human Machine Interface (HMI). An inbuilt PLC and Touch Screen HMI for efficient operation of the machine
- Elite fill test facility for new liquid & recipe based setting. Recipe based operation.
- Machine can fill 0ml to 1000ml without any changeover. Filling accuracy better than +2%
- Designed for easy change-over and cleaning. Elegant and easy reach control panel for total control and operation.
- Pneumatically controlled Bottle Stoppers during filling. Variable Frequency drive for Speed Variation.
- High Precision Manufactured Pumps to achieve high accuracy in Fill Size and Drip Proof Performance.
- Machine equipped with superior gear box and motor.

TECHNICAL SPECIFICATION

Model	TGLF-S0SG	TGLF-S0SG	TGLF-100SG
No of Filling Head	4 HEAD	6 HEAD	8 head
Output	40 to 50 Bottle per minute for 100 ml Filling	80 to 90 Bottle per minute for 100 ml Filling	100 to 110 Bottle per minute for 100 ml Filling
Power Consumption	1.5KW	2 KW	2.5 KW
Machine operating Direction	Left to Right		
Filling technology	Servo Motor Based Metering		
Bottle holding	Though Starwheel or Pneumatic stopper		
Filling Accuracy	• $\pm 2\%$ depending upon the liquid properties		
Filling Range	100 ml to 1000 ml		
Bottle Diameter	16 mm to 100 mm		
Bottle Height	Up to 200 mm		
Power requirement	440v 3 Phase 50Hz 4 Wire System		

AUTOMATIC SINGLE HEAD SCREW CAPPING MACHINE



SCIENT FEATURE

- Compact Model.
- Smooth and accurate container handling
- Synchronized variable speed control
- Fast product changeovers
- Stainless Steel Slat conveyor
- Star wheel system is made of superior UHMW / Oelrin material.
- Machine metallurgy is primarily SS 304 material.
- Single motor synchronizes conveyor. star wheels and platform turret.
- A special background Suppression Photo electric sensor stops machin automatically in case. there is no screw cap in delivery chute.
- Specially design Magnetic action Screw Capping head with facility of Mechanical torque adjustment.
- cap feeding system available like vibrator feeder system. Mechanical orientator system or Water fall type elevator.
- Precise counting arrangement helps to manage production process.

TECHNICAL SPECIFICATION

Direction	Left To Right.
Cap pick on container	Shut pick up
Machine Speed / Output	40-50 bottle/ Minute depending upon the diameter and height of the container
Number of Capping Head / Machine	Single
Bottle Diameter Range	22 mm to 100 mm
Bottle Height Range	15 mm to 100 mm
Screw Caps	Diameter: 22 mm to 65 mm Height: 15 mm to 18 mm
Power Consumption	1 KW
Electrical Connection	230 Volts, 1 Phase 50 Hz.
Height of Conveyor	Adjustable from 800 To 850 MM
Dimensions	1830 MM (L) X 850 MM (W) X 1900 MM (H)
Net Weight	550 KGS (Approx.)
Gross Weight	740 KGS (Approx.)

AUTOMATIC SINGLE HEAD LUG CAPPING MACHINE



SCILENT FEATURE

- Compact Model
- Parts coming in contact with bottle/ Lug cap are manufactured from fine grade of Stainless Steel.
- Single motor synchronizes conveyor, star wheel system & Capping turret.
- Specially design pneumatic - Mechanical magnetic hysteresis clutch-based lug capping head for torque adjustment.
- Cap feeding is through cap feeder elevator & Cap feeder vibrator
- Fast format Changeover from one size of bottles to other Bottle size.

TECHNICAL SPECIFICATION

Direction	Left To Right
Type of Capping	Lug capping
Cap pick on Bottle	Shut pick up
Power Consumption	1.5 HP For Main Drive
Output	30 to 40 Bottle per minute depending upon the bottle diameter & Cap Size
No of capping Head	Single
Power Requirement	230 Volts, 1 Phase 50 Hz.
Height of Conveyor	Adjustable from 800 To 850 MM
Bottle Diameter	22 mm to 100 mm
Height	15 mm to 100 mm
Lug Caps (Diameter)	22 to 84 mm
Dimensions	1830 MM (L) X 875 MM (W) X 1450 MM (H)

BOTTLE STICKER LABELING MACHINE

SCIENT FEATURE



- Compact-cGMP & maintenance free machine
- Machine body & Door is fabricated using AISI 304 Steel
- Superior design of Label Applicator.
- Specially designed reel mechanism to place the roll.
- Breaking assembly to avoid variation during releasing of roll.
- No Change Parts Required for change in Label and Container size
- Easy guide adjustment and no need of any specialized tool for setting.
- DRP belt-based wrap around mechanism to wrap label on container.
- Delrin Belt for Conveyor.
- Auto Label Length Detection.
- Accurate label dispensing.
- All electronics CE Certified.
- Provision for all type of online batch coding like Ink Coder, Cassette Coder, Hot Foil Coder, SS Metal Stereo Box for printing, thermal inkjet printer.

TECHNICAL SPECIFICATION

Model	TGSAL-125	TGSAL-250
Speed	Up to 100 Containers / min depending upon the label length	UP to 220 Bottles / Min Depending upon the Label Length
Dimension (L X W X H) Mm	1850 x 760 x 1380	2130 x 760 x 1380
Power Consumption (KW)	1.5	2.0
Machine Operating Direction	Left to Right	
Type of Labelling	Wrap around labelling, Partial wrap labelling.	
Label Gap Sensing	Through Fork Sensor	
Container Sensing	Through Background suppression photo electric sensor	
Container suitability for labelling	Vial Labelling Round Glass bottle Labelling Round Plastic Bottle Labelling Pet Bottle Labelling	
Label Height	12 mm to 170 mm	
Label Length	12 mm to 500 mm	
Gap between two labels	Min. 3 to 5 mm	
Label Roll Dia.	300 mm Max. Ø	
Label Core Dia.	75 mm to 76 mm Ø	
Container Diameter	20 mm to 90 mm Ø	

SEMI AUTOMATIC BOTTLE LABELING MACHINE

SCIENT FEATURE



- Semi-Automatic Manual Bottle Labeling machine is equipped with following state of art features
- CGMP, Compact & Table top model
- Body is Manufactured using AISI 304.
- User Friendly & Virtually
- Maintenance free machine
- Accurate label dispensing
- Suitable for round shape bottle.

TECHNICAL SPECIFICATION

Speed	20 Containers/ min depending upon the label length
Type of Labelling	Wrap around labelling, Partial wrap labelling.
Container suitability for labelling	Round Glass bottle Labelling Round Plastic Bottle Labelling Pet Bottle Labelling
Label Height	30 mm to 100 mm
Label Length	12 mm to Unlimited
Gap between two labels	Min. 5 mm
Label Roll Dia.	300 mm Max. 0
Label Core Dia.	75 mm to 76 mm 0
Container Diameter	20 mm to 50 mm 0
Power Consumption	0.5 KW
Electrical Connection	230 Volts, Single Phase, 50 Hz

DOUBLE CONE BLENDER

SCILENT FEATURE



- CGMP Model
- All Moving Parts of Double Cone Blender Are Covered with SS304 Covers.
- Safety Guards Made from SS304 Pipes Provided in Front of The Machine.
- Panel Of Double Cone Blender Is Fabricated from AISI 304 Material with Facility of Three Phase Indication. D.O.L. Tarter. Digital Timer & Amp Meter.
- As Per Customer Requirement Double Cone Blender Machine Will Be Provided with Left Side Drive or With Right Side Drive.
- The Conical Shape at Both Ends Enables Uniform Mixing & Easy Discharge.
- All contact parts are made of AISI 316L
- Maximum Care Has Been Taken to Ensure Safe Operation of The Unit.
- Food Grade Rubber Gasket Will Be Used on Both Ends of Cone as Well As In Butterfly Valve.
- Inside & Outside of The Double Cone Blender's Cone Will Be Polished to The Mirror Finished. (All Safety Guards & Covers Made Out of SS304 In GMP Model as Required by You) In GMP Model
- The Conical Shape of Both Ends Enables Uniform Mixing and Easy Discharge
- Suitable Size of Butter Fly Valve at One End of The Cone Provided for Material Discharge & Hole with Open Able Cover Provided at Other End of The Cone for Material Charging & Cleaning.
- One Shaft With 03 Nos. Of Fixed/Detachable Buffers with Mirror Polished Provided Inside the Cone.

TECHNICAL SPECIFICATION

PARTICULAR	SPECIFICATION							
Capacity / KG	10	25	50	100	150	200	250	300
Gross Vol	35	80	150	300	450	600	800	900
Volume/ Ltrs	10	50	100	200	300	400	500	600
Motor {HP}	0.5	1	2	3	5	5	7.5	7.5
Gear Box	1.75	1.75	2	3	4	4	5	5
Butterfly Valve	NA	NA	NA	200	200	250	250	250
Safety Guard	NA	NA	YES	YES	YES	YES	YES	YES
Discharge Height (mm)	300	300	450	450	450	450	450	450

STAINLESS STEEL MIXING TANK



TECHNICAL SPECIFICATION

MODEL	TGSST-1000
Tank Capacity (Litre)	1000
Tank Material	AISI 316L
Design Terminology	Tank half open lid Nozzle inlet and outle
NON-Contact Part	AISI 304
Tank Inside Finish	Mirror Finish
Tank Outside Finish	Matt Finish
Tank Material Thickness (mm)	3
Shell Height (mm)	1250
Shell Diameter (mm)	1000
Bottom Dish-end Height (mm)	200
Legs Height (mm)	600
Stirrer Shaft diameter (mm)	50
Stirrer Shaft Length (mm)	1500
Motor (HP)	2



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**Plot No. Asc 17. Ashwin Sector, Near
Sambhaji Raje Stadium, Opp. SBI Bank,
New Nashik-422009.**

+91-9371570877, 8600294024, 8600687271

www.kopac.co.in

kopackenterprises@gmail.com

