



Vermaprocesspack Pvt. Ltd.
AN ISO 9001-2015 CERTIFIED

The Complete Solution For Food, Pharma , Cosmetic & Beverage Industries



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Vermaprocesspack Pvt Ltd

Established in the year of 2017, at New Delhi, India, we "**vermaprocesspack Pvt. Ltd.**" are leading and well recognized manufacturers and Exporter of high-end Carbonated Soft Drink Plant, Fruit Juice Machine & Plant, Liquid Sanitize Machine, Paste Filling Machine, Filling Machine, Shrink Tunnel, Sealing Machine, Strapping Machine, Vacuum Packaging Machines and many more. These are offered under the brand name "**V-Pack**", which is a well-recognized name for high quality machines, designed to deliver superior performance, and highly customized machines, used in all industries for filling, packaging, cooling, vacuum, shrink etc

The business operations are handled by experienced management led by Mr. Suman Verma (M D) & Mr S P Verma (Director) who has vast experience in the field of industrial Filling, Packaging & Bottling machines. Their visionary guidance as well as consistent support provided to the processes has helped our team to handle the operations and deliver optimum end solutions in the Production of customized machinery. Here, we as a team also ensure that all machines are of high quality and its manufacturing time should be least. We innovate our machines with new technology and provide best and highly customized machines to our clients as per their demand. Today, our consistent business approach as well as customer centric business policies have emerged us as a leader in this field. Further, our expertise in offering support in form of quality products, warranty, after sales service support, product customization, delivery of machines in limited time and product competitive prices has also helped us to expand as a No 1 choice of our customers. We are providing wide range of machineries in different industries as RO Water Plant, Water Bottling Plants, oil manufacturing Plants, Chemical Plants, Pharmaceutical Industries, Paint industries, Aerosol Industries etc

OUR TEAM

An efficient team serves as the main pillar for any company. The team working for the betterment of our esteemed organization includes experts from the fields of designing, engineering, technology, research & development and quality. The team is divided into different sections to take care of different processes in more efficient manner. The training sessions are organized regularly to update our employees with advanced production processes.

High QUALITY Machinery

Our Engineers in Research and development always lead to produce a highly cost effective, durable and customized machines. Being a customer centric company, we understand the requirements of our clients and design accordingly. The machines are tested from the initial stages of production to the final stage of delivery on various quality parameters in accordance with manufacturing guidelines. The machines are tested by our quality controllers till complete satisfaction. Each lot is checked on certain parameters that include:

- Designing
- Strength
- Quality of raw material
- Work life
- Modification

INDUSTRY WE SERVE

A wide range of industry is served by us in the process of providing packaging machines. These industries are

- Pharmaceutical Packaging Industry
- Food & Beverages Packaging Industry
- FMCG Packaging Industry
- Rice Packaging Industry
- RO water plants
- Beverage Industry
- Chemical Packaging Industry
- Hardware & Tool Packaging Industry
- Home Appliances Packaging Industry
- Liquid filling & Bottling Industry
- Warehousing & Packaging Industry
- Crockery Packaging Industry
- Cosmetic Industries
- All packaging in Any Industry
- Filling Stations in any industries and other

OUR Satisfactory Clients

Our consistent performance in delivering quality assured filling and packaging machine with other machines has helped us in gaining vital support of many quality conscious customers from domestic and international markets. Today, all customers associated with us are from different industrial backgrounds and are completely satisfied by the top class products & services delivered from our end. Further, our expertise in serving the complete Technical needs of clients in both standard and customized working specifications have also helped us in gaining their support as well as in maintaining long term and mutually beneficial business relationships with them.

Core Manufacturing

We have with us well established infrastructure support facilities centrally located at Delhi which helps us in better managing the production of various machinery at a time. The process available at our end is in form of advanced machines that assures superior performance quality of Machineries. Further, the machines are well supported by experienced team of engineers and other support staffs who ensure the high Quality of machines and support systems match up with the desired specifications at customer. The qualified team support also assists us in offering high level of customization in the offered machinery range so as to deliver maximum benefits to the customers.

Some of the available machinery support at our end includes:

- Sealing Machine
- Filling Machines
- Fruit Juice Machines & Plant
- Coding Machine
- Shrink Tunnel
- Strapping Machine
- Vacuum Packaging Machine
- Blowing Moulding Machine
- Wrapping & Labeling Machine
- Industrial Conveyor etc

Strengths:

- Expertise in manufacturing and supplying of high-end machines and other support solutions.
- Expertise in offering customized machines and tooling support.
- Expertise in systematic handling of projects within defined guidelines
- Expertise in offering system support offering ease in operations, excellence in performance and compact designs
- Adopting new technology on regular basis to match up with the current market
- Our belief that excellence in performance can only be gained through regular development of overall operations in an organization
- Dedicated support of engineers, technicians, R & D staff as well as quality controllers to precision handle the operations





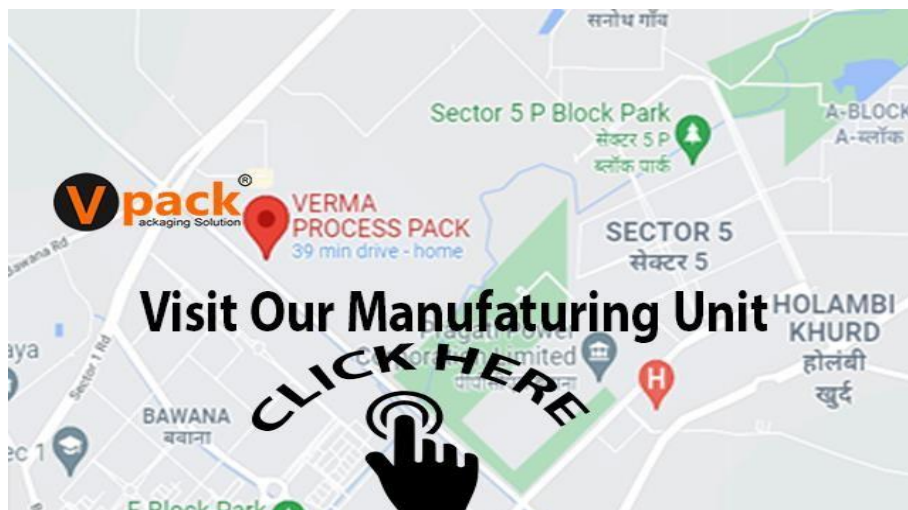
Full Spectrum Know-how

Verma processpack. has more than 17 years of experience in catering to the needs of the beverage processing industry. Our know-how in this field extends over the full spectrum of blending juices / pulp / carbonated beverages, sugar syrup preparation / filtration, homogenization, pasteurization, up to final packaging in bottles, cans,. Our team of professional food technologists and engineers provide our clients with complete set of services including design, equipment capacity selection, supply & installation of the entire processing / packaging plant including pipelines, commissioning and training.

We can also provide design guidance and implementation of utility facilities like steam boilers, compressed air systems, refrigeration systems and water treatment systems.

Our Global Footprint

Verma Processpack has exported to over 5 CONTINENT worldwide, spread over ASIA.



PACKAGED DRINKING WATER PLAN

BOREWELL



WATER PURIFICATION SYSTEM (REVERSE OSMOSIS TECHNOLOGY)



SEMI-AUTOMATIC BLOW-MOULDING MACHINE



RINSING / FILLING / CAPPING
(for filling 200 ml to 2 Litres PET Bottles)



FULLY AUTOMATIC BLOW-MOULDING MACHINE



SHRINK COLLATING MACHINE



ROCKET LABEL APPLICATOR



PACKAGED DRINKING WATER BOTTLE



PLANT CAPACITIES
1,000 to 20,000 LITRES/HR

END PACKAGING OPTIONS
PET BOTTLES / JARS / POUCH

AUTOMATIC JAR FILLING AND CAPPING MACHINE



Mineral / Packaged Drinking Water

Water, a compound of Hydrogen and Oxygen, is a precious natural gift which is essential for the survival of everything on earth. Potable water for human consumption should be free from undesirable impurities. The water available from untreated sources such as well, boreholes and natural springs is generally not safe for drinking. Thus, it is necessary to purify the water and supply it under hygienic conditions for human consumption. As the name implies, mineral water is the purified water fortified with requisite amount of minerals such as barium, iron, manganese and other mineral salts which can be absorbed by human body.

The mineral water / packaged drinking water should be manufactured and packed under hygienic conditions, in properly washed and cleaned bottles, in sterilized conditions as specified.

Market Potential

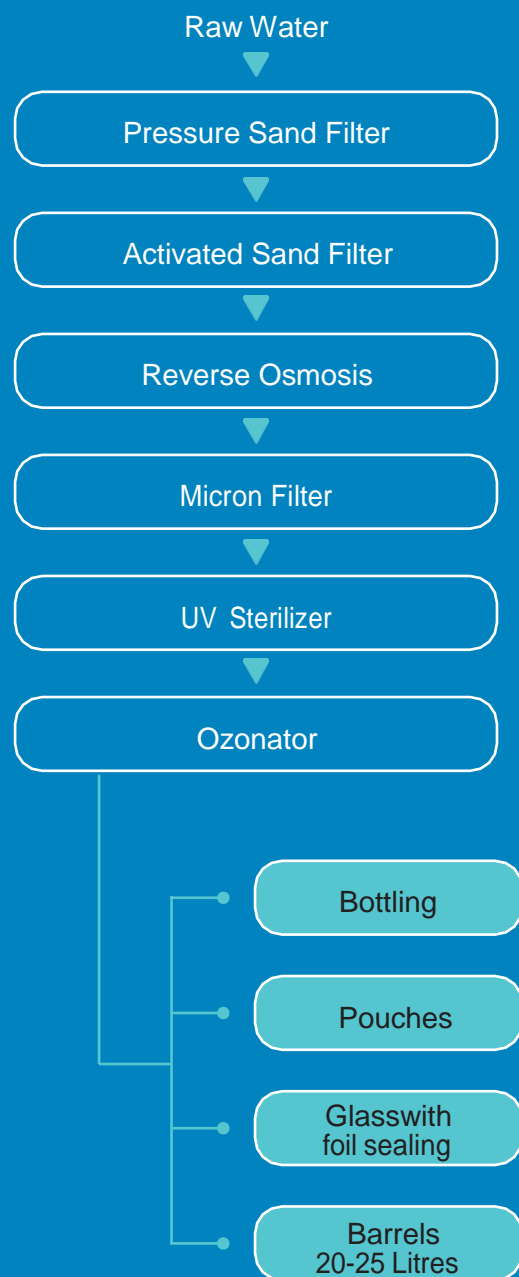
Water shortage and health awareness is driving bottled water consumption in India. As in 2011, the Indian market is estimated at about Rs.6,000 crore and is growing at whopping rate of 25 per cent per annum. By 2020, it will reach an astounding Rs.20,000 crore.

According to a national-level study, there are more than 200 bottled water brands in India and among them nearly 80 per cent are local brands catering to consumers within their 60 km operational area.

While India ranks in the top 10 largest bottled water consumers in the world, its per capita consumption of bottled water is estimated to be half-a-liter only which is comparatively lower than the global average of 24 liters.

Growth in sales of packaged drinking water is surpassing all alcoholic and non-alcoholic beverages in India

Process Flow for packaged drinking water



WATER PURIFICATION PLANT (REVERSE OSMOSIS TECHNOLOGY)

Water purification system using reverse osmosis technology purifies water with action of pressure difference of semi-permeable membrane. Counter pressure larger than osmotic pressure is adopted to separate, extract and purify the water, removing 97% soluble salt, 99% colloids, microbes, particulates and organic substances.

Raw water is passed through multiple filtration process in order to purify its physical, chemical and biological impurities and at the same time ensure its mineral contents are conducive for human consumption. Various filtration processes commonly used are described below:

Pressure Sand Filter Vessel

Used to remove suspended solids and undissolved impurities from water. The filtration medium consists of multiple layers of sand with a variety in size and specific gravity. The filters effectively remove up to 30-50 micron of the suspended solid to less than 5 ppm.

Activated Carbon Filter Vessel

The filter is designed with multiple layers to reduce or eliminate bad taste, odors, chlorine and many organic contaminants in water. Activated carbon has a slight electro positive charge added to it, making it attractive to chemicals and impurities. As the water passes over the positively charged carbon surface, the negative ions of the contaminants are drawn to the surface of the carbon granules.

Micron Filter

It removes the fine particles such as dirt, sand etc. up to 5 microns and reduce silt density index to acceptable level.

High Pressure Pump

Suitable to feed raw water through the reverse osmosis membrane with high pressure.

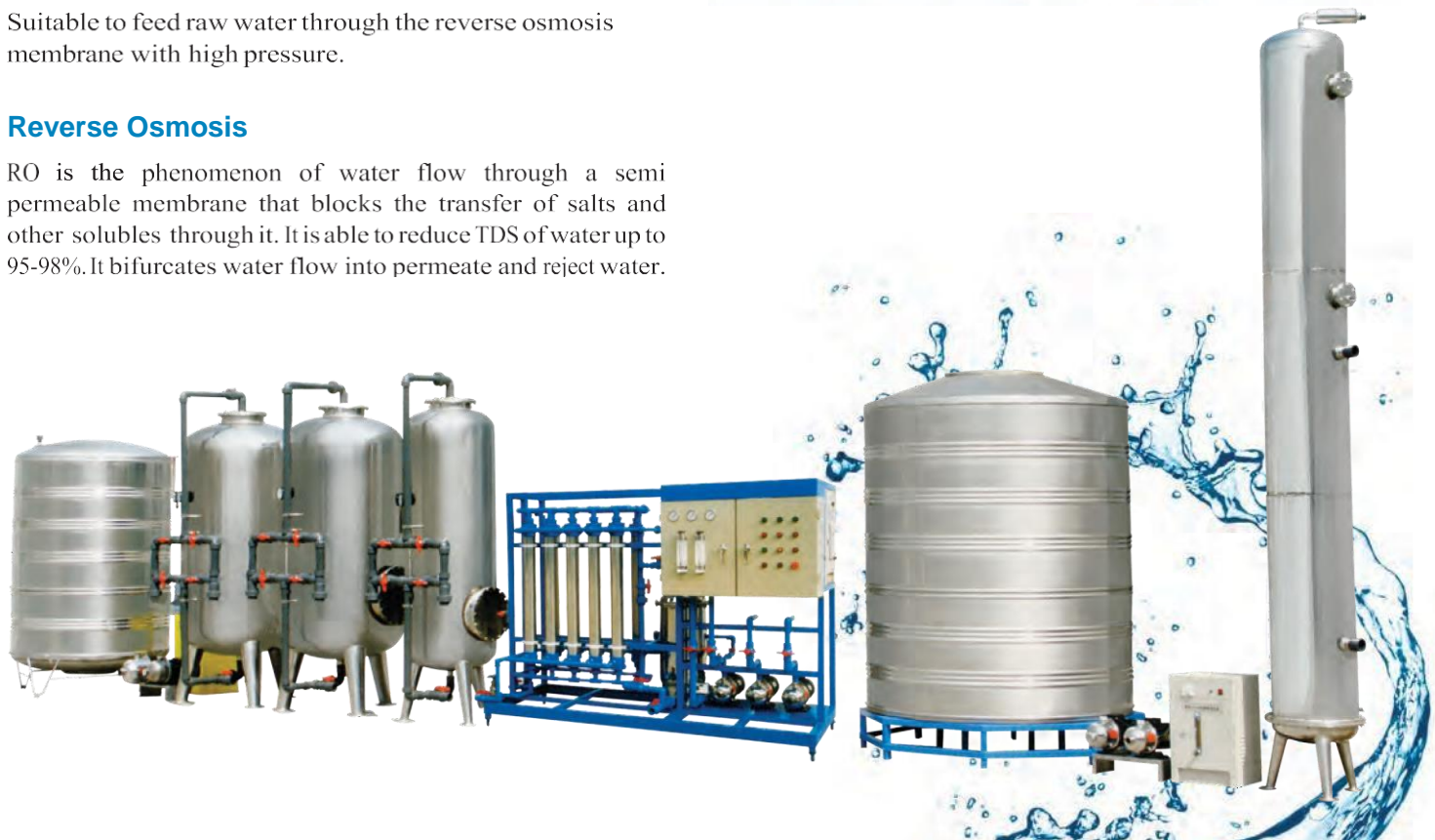
Reverse Osmosis

RO is the phenomenon of water flow through a semi permeable membrane that blocks the transfer of salts and other solubles through it. It is able to reduce TDS of water up to 95-98%. It bifurcates water flow into permeate and reject water.

Ultra Violet Sterilizer/ Ozonator

Water passes through a clean chamber where it is exposed to ultra violet (UV) light which effectively destroys bacteria and viruses. Its advantages are that it does not leave any smell or taste in treated water.

Water Purification Plants using RO technology can be designed for various capacities ranging from 500–20,000 liter/h input raw water and can be made in FRP / complete SS models.



SEMI-AUTOMATIC BOTTLING EQUIPMENT

SA 24 Bottle Rinser

Semi-automatic Bottle Rinser

Suitable to wash fresh glass / PET / HDPE bottles. Bottles are manually fed to the bottle holder and removed after rinsing.

Production capacity: 1500-2400 bottles/hr
Available in 12/24 washing head models.



Semi-automatic Bottle Rinser

Suitable to rinse bottles from inside using water jet/air suction technology. Can be integrated with filling and capping devices.

Available in 12/18/24 head models.
Capacities 1000 to 3000 bottles per hour.



Semi-automatic Carbonated Drink Filler

Suitable to fill aerated drinks like soda/soft drinks in glass/PET bottles under pressure.

Bottles are manually fed to the bottle holder and removed after filling.

Available in 2/4 head models.
Capacities 600 to 1000 bottles per hour.



GD Series Pressure Filler (for carbonated beverages)

Suitable to fill carbonated/aerated beverages like soda, soft drinks, carbonated drinks etc. in PET/Glass/Cans. It can be synchronized with cap sealer/seamer.

Available in 12/18/24 head models.
Capacities 1000 to 3000 bottles per hour.



GFP Series Normal Pressure Filler

The machine can accurately fill non-carbonated drinks such as fruit juice, vinegar, squash, milk, water etc. in PET, glass bottles or cans.

Available in 12/18/24 head models.
Capacities 1000 to 3000 bottles per hour.



FXZ-6 Screw-on Capper / Can Seamer

Suitable to seal various bottle caps like PP / RO, Aluminum, PET cap on to Glass or PET bottles.

Technical specifications:

Production capacity: < 2400 bottle/hr
Bottle diameter: 50 to 100 mm
Bottle height: 150 to 320 mm
Capacities 1000 to 3000 bottles per hour.



AUTOMATIC BOTTLING EQUIPMENT

VPACK Series Automatic Monobloc Rinser / Filler / Capper

Vpack series monobloc bottling machine is a third generation bottling machine incorporating state-of-the-art design.

The air infeed conveyor feeds the bottle to the rinsing section. Its followed by advanced micro negative filling and then the filled bottle is capped hermetically. Monobloc design ensures hygienic conditions are maintained and minimal exposure of product to the atmosphere.

The machine's unique neck holding design for bottle transfer ensures quick changeover to various sizes of bottles from 200 ml - 2 Ltr.

The machine incorporates high level of automation like "no-bottle-no-fill" and "no- bottle-no-cap", low cap alarm duly controlled by centralized panel.

Complete machine is aesthetically designed and fabricated and ensures sturdy and stable running.



Technical specifications:

Model vpack-W	8 - 8 - 3	12 - 12 - 4	18 - 18 - 6	24 - 24 - 8	32 - 32 - 10	40 - 40 - 10
Capacity (b/hr)	1200-1800	2000-3000	4500-6000	6000-8000	8000-12000	12000-14000
Rinsing heads	8	12	18	24	32	40
Filling heads	8	12	18	24	32	40
Capping heads	3	4	6	8	10	10
Bottle dia. (mm)	ø 50 - ø 90					
Bottle height (mm)	150 - 320					
Power (kw)		3.13	4.1	5.6	7.5	10
Dimensions (mm)		2250 x 1640 x 2100	3050 x 2060 x 2100	3600 x 2300 x 2100	3600x2900x2900	4200x3300x2950
Weight (kg)		2500	4000	5000	7500	9000



PACKAGED DRINKING WATER PLANT

AUTOMATIC BOTTLING EQUIPMENT

Automatic Barrel Filling and Capping Machine

Suitable for cleaning, filling and capping of 10 to 25 litres polycarbonate / PET barrels.

The barrels are fed to bottle holders, which tilt the bottle on top of high pressure spray which washes the barrel. The machine also has Angular Spray for external wash.

After the cleaning stage the barrels are fed on the filling conveyor. The filling is executed by a highly sensitive sensor activating a flow of water to an accurate predetermined measured quantity. The machine incorporates no-barrel- no-fill system.

After filling, barrels automatically move to the capping stage where the caps are released from the vibrator to the barrels and the barrels are sealed automatically using a capping head.

The entire system is enclosed in a stainless steel / glass outer casing. After the capping stage the barrels are automatically conveyed to the output conveyor.

The above system can also be synchronized with an automatic barrel brushing/washing unit to thoroughly clean the same.



Models / technical specifications:

Model	BPM 100	BPM 200	BPM 300	BPM 450
Capacity b/hr	70-100	180-200	280-300	400-450
Rinsing head / s	1	2	3	4
Filling head / s	1	2	3	4
Capping head / s	1	2	3	4
Barrel Volume	15 to 25 Ltr			
Power (kw)	1.03	2.01	3	4.5

Automatic Cup Filling & Sealing Machine

Automatic Cup filling machine is designed to fill & seal plastic cups automatically with speed up to 40 cups / min.

The machine comes with a linear conveyor.

The cups are loaded to the cup holders and are automatically carried to the filling stations where the cups are filled accurately. The filled cups are then provided with seals by a 'Pick & Place' system. After which the cups are sealed by the cup sealer.

Cup fills volume: 200 ltr

Available in 2 to 4 Head models and capacity from 40-80 Cups/min



READY-TO-SERVE FRUIT / CARBONATED SOFT DRINK PLAN

SUGAR SYRUP
PREPARATION



JUICE BLENDING



HOMOGENIZATION



AUTOMATIC BOTTLING



BOTTLE WARMING/COOLING



SHRINK LABEL APPLICATION



SEMI-AUTOMATIC PET
BLOW-MOULDING



FULLY AUTOMATIC PET
BLOW-MOULDING



BOTTLE SHRINK COLLATING

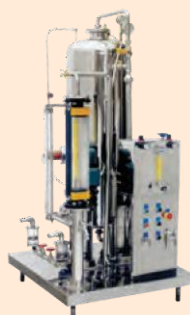


ADDITIONAL EQUIPMENT FOR CARBONATED SOFT DRINK/SODA

WATER/SYRUP CHILLER



V-PACK DRINK MIXER



RINSE-FILLER-CAPPER



RTS JUICE BOTTLES



PASTEURIZATION



Fruit Juice / Ready-to-Serve Beverage

Agri business is one of the major pillars of the Indian economy. India produces a wide variety and enormous quantity of fruits that can be processed in different forms.

Fruit juices are well recognized for their nutritive value, mineral and vitamin content. Traditionally, juices have been extracted and sold fresh at public places and roadside shops. Due to unhygienic conditions in such shops, juices served are prone to bacterial contamination which may lead to food borne illnesses.

Over the years the Indian beverage industry has followed the international trends and its sales were dominated primarily by Carbonated Soft Drinks (CSD) like Cola, Orange, Lemonetc.

India has witnessed radical shift in consumption patterns of non-alcoholic drinks over the recentpast. Fast expanding middle class population, that is currently around 350 million, increased urbanization and rising disposable income are some of the major reasons contributing to this change. Besides this, growing health consciousness among India's young population has brought about a revolution in the Indian non-alcoholic beverage market.

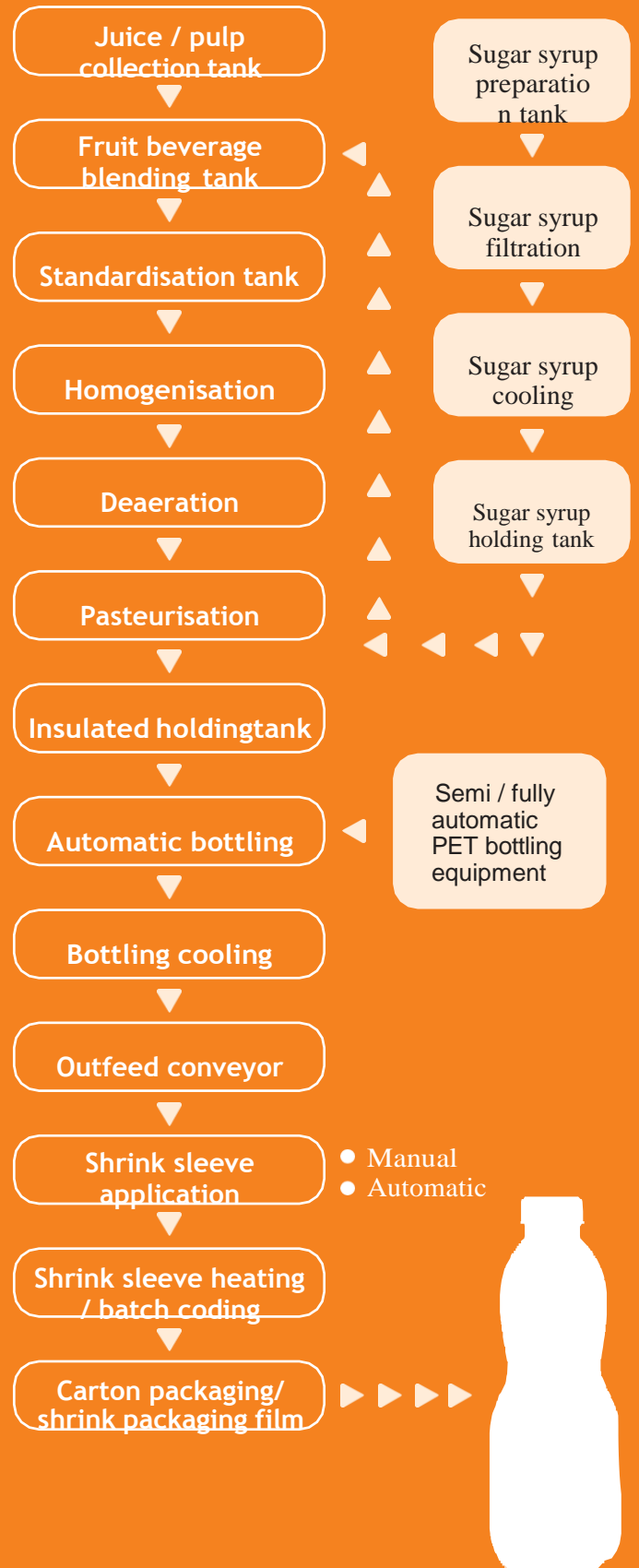
Juice drinks market has emerged as the fastest growing segment in the non-alcoholic beverage market and is currently growing at a CAGR of 30% and is estimated to beworthabout Rs. 1,000 croreannually* (as on 2010). Of the above, nearly 60% constitutes of RTS drinks / nectar / squash mainly comprising mango, lemon and orange variants.

Juices constitute over 30% of the total market share which is largely packed in small aseptic packs.

Another segment that is growing at a good pace is the sports and energy drinks segment.

Process Flow

Fruit / juice beverage plant



PLANT CAPACITIES

500 to 5,000LITRES/HR

Pasteurizer

Fully-automatic pasteurizer is designed for heating, pasteurization, holding and cooling of liquids like milk, juice and other beverages to prolong their shelf life.

The equipment is skid mounted and incorporates balance tank, water heating system, holding tubes, cooling section. The system is controlled through PID, flow pneumatic diversion valve and steam flow control valve.

The temperature controlled equipment can also be made available in HTST design.

Pasteurizers are available in plate type / tubular type models in capacities from 500 to 10,000 LPH.



Homogenizer

Suitable to homogenise juices, pulps, ketchups or milk to desired consistency. The homogenizer is of rugged design with stainless steel cabinet. The homogenizer chamber is made of single piece forged AISI 316 block, suction / discharge valves of stellite and fitted diaphragm type pressure gauge.

Available in different pressure range models from 20 Mpa - 60 Mpa and capacity from 500 to 10,000 LPH.



Vacuum Deaerator

Suitable for removing air pockets in liquids like juices under vacuum conditions. It incorporates helical parasol spray technology which helps spray the product as a parasol film into the vacuum vessel.

This results in well-proportioned oxygen removal.

Available in capacities ranging from 500 - 10,000 LPH.

BEVERAGE BLENDING/PROCESSING

Stainless Steel Tanks

For Storage / Blending / Dispensing /
Standardisation/Sugar Syrup preparation

Suitable to collect, store, dispense and blend liquids like pulp, juice, beverage, sugar syrup. Can be fitted with stirrer or blending device, temperature indicator, liquid level indicator and CIP spraying head.

Tanks can be fabricated in SS 304 / 316 / 316 C in single / double / triple layer with or without steamjacket insulation.

The tanks are welded with smooth inner walls and are finished upto 150 grit finish and are hydraulic tested. Available in capacities from 100L - 15KL.

Interconnected with centrifugal / screw pumps.



Centrifugal Pumps

Suitable to transfer easy free flowing liquids of low viscosity. Available in capacities from 1 to 10 MT/hr.



Positive Displacement Screw Pumps

These pumps are generally used for pumping low to medium viscous liquids. Available in capacities from 1 to 10 MT/hr.



Rotary Lobe Pumps

Suitable for pumping viscous liquids with suspended solids/powder or high viscosity product. Available in capacities from 1 to 10 MT/hr.

CIP System (Clean-in-Place)

CIP Systems are applicable for thorough cleaning of various equipment / pipelines installed in Dairy / Food or Beverage industries. These greatly reduce microbial growth in the product and enhance product quality.

CIP system includes equipment, pipeline flow sequence control. According to the hydrodynamic analysis, CIP is capable of cleaning of equipments by controlled high pressure flow of cleaning liquids in flow-in-circle operation.

CIP systems can be designed for manual, semi-automatic or fully automatic functions. The system incorporates clean water tank, alkali liquid tank, cofaction equipment, pump, PHE etc.

Available in semi / fully automatic models.



BEVERAGE BOTTLING

VPACK Series Automatic Monobloc
Rinser / Filler / Capper (for hot fill
application)

VPACK series monobloc bottling machine is designed for hot filling of juices. The advanced micro-negative filling ensures accurate brim filling. It Incorporates specially designed hot filling valves which can easily be cleaned. The machine is controlled through touch screen PLC which controls the entire operation such as “No-Bottle-No-Cap”. Also the inbuilt temperature sensing ensures that the beverage is not filled below the set filling temperature. Automatic flow control valves ensure that the excess beverage flows back to overflow holding tank. This model can also be adapted for filling water.



Technical specifications:

Model FAB-H	12 - 12 - 4	16 - 16 - 5	18 - 18 - 6	24 - 24 - 8	32 - 32 - 10	40 - 40 - 10
Capacity (b/hr)	2000-3000	3000-5000	4000-6000	6000-8000	8000-10000	11000-14000
Rinsing heads	12	16	18	24	32	40
Filling heads	12	16	18	24	32	40
Capping heads	4	5	6	8	10	10
Bottle dia. (mm)	ø 50 – ø 90					
Bottle height (mm)	150 – 320					
Power (kw)	3.13	3.84	4.1	5.6	7.5	9
Dimensions (mm)	2250 x 1640 x 2100	2430 x 1800 x 2100	3050 x 2060 x 2800	3300 x 2300 x 2800	3600x2900x2800	4250x3250x2800
Weight (kg)	2500	3000	4000	5000	6000	6500

BottleWarming/Cooling Conveyor

This Continuous Spray Conveyor is suitable to reduce the temperature of hot fill drink bottles to 30-36°C or to increase the temperature of cold filled aerated drinks to 36-40°C. Its working process is divided into 2/3 stages. First stage circulates hot water spray. Second stage does water pre-cooling, and the third stage does cold water-cooling. The time in each of the 2/3 stages can be regulated as per the requirement. The complete structure is made of SS 304 while the conveying belt is made of high temperature resistant polypropylene (CPP).

Technical specifications:

Model	VPW 3000	VPW 6000	VPW 10000
Capacity (b/hr)	2000-3000	5000-6000	8,000-10,000
Temperature Outlet	30-35°C	30-35°C	30-35°C
Conveying time	10-20 min	10-20 min	10-20 min
Dimension (mm)	3000 x 1050 x 1710	6000 x 1050 x 1710	10000 x 1500 x 1710



ADDITIONAL EQUIPMENT FOR CARBONATED SOFT DRINKS / SODA WATER

Intermix / Carbonator

Advanced Intermix carbonator ensures accurate proportional mixture of water, syrup and carbon dioxide, duly controlled by PLC. This ensures consistency in various batch mixes, taste & accurate mixture of CO₂ gas. It can be interconnected with water/syrup chiller.

Available from 500 to 10,000 LPH capacities.



Vpack Drink Mixer

Vpack series Drink Mixer is designed to mix water / syrup / drink with carbon dioxide. It incorporates static mixer to increase carbonizing time which enhances mixing result and detoxification. Suitable for mixing soda water, fruit juice, cola and other soft drinks. Available in capacity of 500-3000 l/hr.



Water / Syrup Chiller

Suitable for bringing down the temperature of water / syrup below 4°C. This facilitates mixing and absorption of CO₂ with water / syrup. It is available in two models:

Batch Type

Incorporates insulated stainless steel holding tank connected to compressor. Water / syrup is by means of chilled gas running inside copper tubes in the tank. Available from 200 to 10,000 LPH capacities.

Continuous Type

This incorporates online chiller connected with PHE. The online chiller chills the glycol which in turn chills water / syrup in the PHE. Capacity: 500 - 5,000 ltr/hr.



FAB-C Series Automatic Rinser-Filler-Capper

(for Carbonated Drinks)

Suitable for filling carbonated beverages like CSD, soda, carbonated juices etc. in PET bottles. This fully automatic machine performs integrated operations from air conveying to rinsing to filling and capping.

The machine is controlled by touch-screen PLC and incorporates full automation for level control in drink tank and magnetic torque controlled screw capping.



Technical specifications:

Model FAB-C	12 - 12 - 4	16 - 16 - 5	18 - 18 - 6	24 - 24 - 8	32 - 32 - 10	40 - 40 - 10
Production capacity	1800-2400	2400-4200	4000-6000	6000-8000	8000-10000	10000-12000
Filling precision	<+5mm (Liquid level)					
Filling pressure (Mpa)	< 0.4					
Polyester Bottle Standard (mm)	Bottle Diameter: ø50 – ø100; Height: 150-320					
Suitable Cap Shape	Plastic Screw Cap					
Total power	4	7.5	10	12		
Total Weight (kg)	2.2	4000	5000	6000	7500	9500
Dimension (LxWxH) [mm]	2100x1300x1900	2400x1800x1900	2800x2000x1900	3300x2300x2500	3600x2900x2900	4250x3250x2900

Automatic Beverage Filling / Seaming Machine

Suitable to fill and seam various beverages like juice, aerated drinks, energy drinks etc. in tin / aluminum beverage cans.

The filler can be designed to fill carbonated / non-carbonated beverages and is integrated with seaming heads to hermitically seam the can.

Available in 12/4 and 18/6 heads filler/seamer configuration and capacities from 2,000 to 6,000 cans per hour.



Automatic Twist-off Lug Cap Vacuum Sealing Machine

Suitable to automatically seal twist-off Lug Caps on glass bottles. The machine is state-of-the-art sealing machine incorporating steam spray exhausting, mechanical sealing and water spraying thus ensuring perfect vacuum sealing of bottle. The machine is PLC controlled, GMP model.

Technical specifications:

Model	CS 9
Capacity	60 - 75 b/min
Closure Types	Three twist, Four twist, Six twist or Pressing twist cover
Cap/Jar Diameter	30-90 mm
Bottle/Jar Diameter	30-100 mm
Bottle/Height	65-260 mm
Motor Power	3.12 kw
Steam Consumption	180-230 kg/h
Steam Pressure	0.4 MPa
Max. Vacuum Degree	67 kPa (502 mmHg)
Weight	1100 kg



Bottling Equipment for Filling Oil / Honey / Cream / Ketchup / Jam / Cosmetics in Bottles / Containers

Automatic Piston Filler / Capper

Automatic piston fillers are designed to fill liquids of different viscosity, ranging from free-flowing liquids to shampoo, oil, lubricants and thick creams for food, pharmaceuticals, oil, lubricant, cosmetic and similar applications.

These fillers conform to GMP standards, are easy to maintain & clean and are PLC controlled.

The fillers can be integrated with automatic capping machines which can be designed to suit different types of caps / necksizes.

Piston Filler (Linear Model)

Auto Filler Line adopts pneumatic volumetric piston dosing & filling principle. The bottle enters the line, gets filled and capped before coming out of the line. All these functions are controlled by PLC, and conform to GMP.

These are equipped with features like “no-bottle-no-fill” and diving nozzle for foaming liquids.

Technical specifications:

PISTON FILL

Model	Filling range (ml)	Capacity (bottle/min)	Dimensions (mm)	Weight (kg)
GC-4P 250	30-250	25-30	3000 x 950 x 1800	700
GC-4P 500	100-500	25-30	3000 x 950 x 1800	700
GC-4P 1000	200-1000	15-20	3000 x 950 x 1800	700
GC-4P 2000	500-2000	15-20	3000 x 950 x 1800	700
GC-6P 250	30-250	36-40	4000 x 950 x 1800	750
GC-6P 500	100-500	36-40	4000 x 950 x 1800	750
GC-6P 1000	200-1000	18-30	4000 x 950 x 1800	750
GC-6P 2000	500-2000	18-30	4000 x 950 x 1800	750



Piston Filler (Rotary Model)

This piston filler / capper is designed for filling a wide range of ▼

Products such as oil, tomato / chilli sauce, jam, thick paste and granular beverages.

The rotary piston filler ensures high production capacity, accurate filling and easy change-over to different filling range.



Technical specifications:

Model	VPP-12	VPP-18
Capacity (Filling Volume)	60-100 BPM	100-200 BPM
Filling Heads	12	18
Bottle Diameter	50-80 mm	50-80 mm
Bottle Height	50-200 mm	140-290 mm
Filling Volume	100-500 ml	200-1000 ml
Total Power	2.24 kw	3.74 kw
Facility Weight	1500 kg	2000 kg
Outer Dimension	1350x1400x2200 mm	1600x1700x2400 mm

PET BOTTLE BLOWING

Semi-Automatic Blow-Moulding Machine

Produces PET bottles from 0.1 to 2 Liter capacity. Incorporates infrared oven to heat the pre-forms, then the pre-forms are loaded.

Max bottle height: 330 mm

Neck size: 20-40 mm

Maxbottledia: 130 mm(doublecavity) and 200 mm(singlecavity) Max bottle volume: 2L (double cavity) and 5L (single cavity) Available in 2 to 4 Heads models with normal/auto drop option.

Speed: 2 Head 600–800 (Normal)
 800–1000 (Autodrop) 4 Head
 1200–1400 (Normal)
 1400–1600 (Autodrop)



Fully-Automatic Blow-Moulding Machine

Suitable for producing PET containers / bottles in all shapes. It is widely used to produce bottles for carbonated beverage / mineral water / oil or cosmetics.

- Incorporates steady infrared heating systems with automatic pre-form temperature control through PLC.
- Quick mould changeover system, no lifting equipment required.
- Available in 2-6 cavity models.
- High adjustability of pre-heater section to suit different bottle sizes.



MODEL	ITEM	VPB-01	VPB-02	VPB-03
Productivity	Depend on mould design	1800-2000 pcs. / hr	3200-4000 pcs. / hr	4000-6000 pcs. / hr
Product type	Volume	0.1-2L	0.1-2L	0.1-2L
	Body diameter	<100mm	<100mm	<100mm
	Height	<310mm	<310mm	<310mm
	Neck diameter	<38mm	<38mm	<30mm
Mould	Cavity	2	4	6

LABELING / BATCH CODING

Shrink Sleeve Label Applicator

This machine is suitable for automatically applying shrink sleeves on PET bottles. It is fully automatic and PLC controlled. The machine incorporates positioning module, servo motor and adjustable cutter head. Suitable for round, square or flat shaped bottles.

- Single contraction label feeding tray: Automatically controlled by micro-computer
- Automatic detection and positioning
- Swift and label-saving / labelchanging
- Absolutely precise cutting-off position

Available in single/double head models with capacity from 80–200 bottles per minute.



Bottle Collating / Shrink Wrapping Sealer

Suitable to automatically align in packs of 6/12/18/24 bottles and shrink wrap the same. The machine can be adapted with various shrink films like POF / PE / PVC. Conducts integrated operations from bottle accumulation, shrink film wrapping, film cutting and shrink sealing. Also available in semi-automatic version wherein bottles are manually placed and shrink wrapped and sealed.

Available in 5 to 30 packs per minute capacities.



BOPP Label Applicator (Hot melt glue type)

Suitable to apply BOPP Hotmeltgluelabelontocylindrical bottles of water/carbonated beverages. This machine is equipped with label cutting head, hot glue applicator and sealing head.

Available in 60 to 200 bottles per minute capacities.

Inkjet Printing

Suitable for printing batch number / price / manufacturing date / expiry date etc. automatically on the bottle / caps.

- Up to four lines of printing with variety of print formats.
- The machine is PLC controlled and can be interfaced with a PC.



Fruit and vegetable processing plants

International quality plants and machines from Verma Processpack can process most fruits & vegetables, be it tropical fruit, deciduous fruit, citrus fruit or tomato for the production of:

- Single strength pulp/juices
- Juice/pulp concentrates
- Fruit juices
- Jams
- Canned fruit
- Fruit salad
- Tomato puree/paste
- Tomato sauces and ketchup
- Ginger, garlic & onion paste/powder
- Condiments/salsa/mustard/mayonnaise
- End packaging for above products in cans/bottles, pouches and aseptic packaging

Automatic plant for Beverage processing and packaging

We offer complete Plant and Machineries for:

- Packaged Drinking Water: Consisting of RO Plant, PET bottle blowing/filling lines, BOPP, shrink labeling and cartoning/shrink collating.
- RTS Juice Beverage: Consisting of beverage blending, homogenization, pasteurization, bottle blowing/filling lines, BOPP, shrink labeling and cartoning/shrink collating.
- Carbonated Soft Drinks: Consisting of sugar syrup preparation, beverage blending, chilling, PET bottle blowing/filling lines, BOPP, shrink labeling and cartoning/shrink collating.

Fresh fruit and vegetable Washing / Sorting / Grading and Packing lines

We offer state-of-the-art technologies for washing, sorting, grading and packing all types of fresh Fruits and vegetables like orange, apple, pineapple, mango, passion, plum, pepper, cucumber, tomato, potato, onion etc.

The process involves precise technologies for grading of various fruits and vegetable on color, size and weight; thus providing excellent opportunity for value addition of horticulture produce and reduce wastage.

We can complete the value addition chain of horticulture produce by setting up cold-room facilities for storage and preservation of fresh produce. This includes fruit ripening chambers, CA cold stores and blast chambers.

Liquid milk processing

We design, manufacture and commission milk processing plant on turn-key basis and specialize in capacities varying from 5,000 to 1,00,000 liters per day for the production of:

- Soya milk/powder milk
- Flavoured milk
- End-products like butter, ghee, dairy whitener, yoghurt, cottage cheese, ice cream and cheese
- End-packaging in glass/PP/PET/Aseptic packaging



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