

PRITI INTERNATIONAL

Total Commitment to Quality

An ISO 9001:2008 & 14001:2004 Certified Organization

www.pritiinternational.in

About us



PRITI INTERNATIONAL a Kolkata, India based company, caters their Turnkey project solutions since 1985 for different type of Industrial Projects mainly India's leading Water and Waste Water Solutions by their efficient Engineers and Management.

PRITI is an Internationally Quality Control Certified Company under ISO 9001:2008 & 14001:2004 and earned a huge goodwill and reputation for their prompt and time bound Services among their valuable Clients.

PRITI have always worked with the philosophy of providing know how of the technology of the selected plant and machinery with improved flexibility, accuracy and operator friendliness without compromising productivity. This has given a vital edge to the local and abroad Clients in today's competitive market.

PRITI INTERNATIONAL is mainly engaged in the following projects :

- Packaged Drinking Water Plant
- R.O., ETP, STP & DM Plant
- Soda Water Plant
- RTS Beverage Plant
- Synthetic Juice Plant
- PET Stretch Blow Moulding project 100 ml. Bottle to 20 Ltr. Jar
- Automatic PET Bottle Rinsing, Filling & Capping Machine
- Automatic PET Jar Rinsing, Filling & Capping Machine
- Automatic online BOPP Labelling Machine
- PET preform & Cap manufacturing Project
- PET Recycling Project
- Injection Moulding Machine
- Cookies & Biscuits Project
- Corrugated Carton Box Manufacturing Plant
- PP Woven Sacks Project
- PVC Pipe Plant
- LLDPE Water Storage Tank Project

WATER TREATMENT PLANT

Packaged Drinking Water Plant :

Description:

Packaged drinking water means water derived from any source of potable water which may be subjected to treatments such as, decantation, filtration, combination of filtrations, aeration, filtration with membrane filter, depth filter, cartridge filter, activated carbon filtration, reverse osmosis or any other method to meet the prescribed standard and packed. It may be disinfected to a level that will not lead to harmful contamination in the drinking water.

The potable water used for production of packaged drinking water is water derived from any source (such as ground water like Borewell, public drinking water systems such as Municipality Supply or Supplies from other sources) received on regular basis. Supplies of such water through pipelines or tankers would be acceptable provided the source remains the same.



AUTOMATIC BOTTLE RINSING, FILLING & CAPPING MACHINE

Features:

- ❖ Mono Block Rotary Machine.
- ❖ Neck Holding.
- ❖ No Bottle No Rinsing No Filling and No Capping.
- ❖ Non Contact Sensors for Bottle Counter.
- ❖ Separate Cap Hopper Having Capacity 1500-3500 Caps.
- ❖ Material of Contractions Contact Parts SS 316 rest SS304

Technical Advantages & Specification:

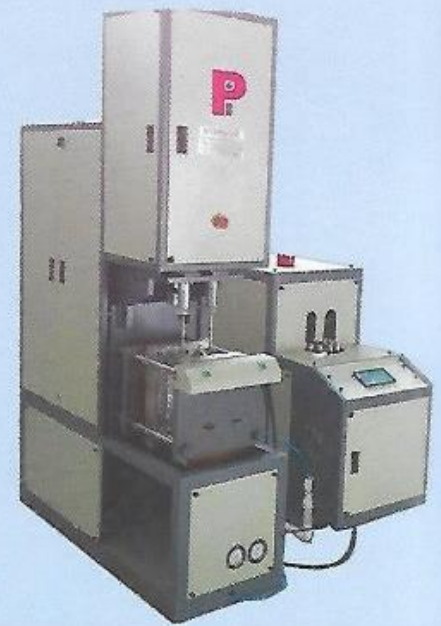
Sr.	Model	FS 30-50 BPM	FS 40-60 BPM	FS 60-80 BPM	FS 80-110 BPH	FS 110-140 BPH
1	Output/Hr. (ref.1 Lt. Size)	1800	2400	3600	5400	7200
2	Configuration Rinse-Filler-Capper	6.6.3	9.8.4	12.11.4	15.15.6	20.20.8
3	Bottle Size Range	200 to 2000ml	200 to 2000ml	200 to 2000ml	200 to 2000ml	200 to 2000ml
4	In feed Air Conveyor (Meter/Feet)	1.5 Meter, 5 Feet	1.5 Meter, 5 Feet	3 Meter, 10 Feet	3 Meter, 10 Feet	4.5 Meter, 15 Feet
5	Out feed Air Conveyor (Meter/Feed)	4.5 Meter, 15 Feet	4.5 Meter, 15 Feet	6 Meter, 20 Feet	6 Meter, 20 Feet	8 Meter, 25 Feet
6	Machine	Fully mechanical	Fully mechanical	Fully mechanical	Fully mechanical	Fully mechanical



SEMI- AUTOMATIC PET STRETCH BLOW MOLDING MACHINE

Features:

- ⊗ All System operated through Microprocessors (Philips in BuiltChip).
- ⊗ Constant oven temperature, to avoid wastage.
- ⊗ Exhaust air is stored in a air receiver tank, hence load on compressor is less energy saving (Optional).
- ⊗ Auto Dropping of bottle for fast production.
- ⊗ The Machine is equipped with branded air Cylinders & Valves.
- ⊗ Provided three pressure Regulating System for better formation of bottle.
- ⊗ Double start working push button, which is designed for avoiding the injury.
- ⊗ Low Power Consumption (Optional for one conveyer two blow system).
- ⊗ Lubricating pump.



FULLY AUTOMATIC TWO STAGE PET STRETCH BLOW MOLDING MACHINE

Features:

- ⊗ Compact Design for space saving.
- ⊗ Specially developed ejector and loading arms.
- ⊗ Special hydraulic valve for mould opening/closing.
- ⊗ High quality valves, cylinders for trouble free production.
- ⊗ Philips 16 Bid-XAG-49 P.I.C.
- ⊗ Hydraulic Clamping system for better quality bottles.
- ⊗ In built self diagnostic function will display faulty areas with cause and remedies to ensure hassle free production.
- ⊗ Recall memory up to 40 parameters setting.
- ⊗ High sensitive sensors are provided for safety of machines.
- ⊗ In built cooling system for neck cooling, mould cooling and oil cooling.
- ⊗ Auto-feeder for preforms to reduce man power.
- ⊗ Specially designed hopper storage to hold 150 kg. Preforms which ensure at least 3 hours of continuous production.



AUTOMATIC 20 LTR. JAR RINSING, FILLING & CAPPING MACHINE

Features:

- ⊗ Neck Holding.
- ⊗ No Bottle No Rinsing No Filling and No Capping.
- ⊗ Four Stage Rinsing(chemical, Hot 2 times, Final water).
- ⊗ PLC Base High & Low Pressure Filling Systems(to avoid Spillage).
- ⊗ Non Contact Sensors.
- ⊗ Separate Cap Hopper Having Capacity 50 Caps.
- ⊗ Material of Contractions Contact Parts SS 316, rest SS 304.



Technical Advantages & specification

Sr.	Model	FSJ 200 - BPH
1	Output/Hr.	200JPH
2	Configuration Rinse - Filler - Capper	Four Stage Rinsing, Single Stage Filling & Capping
3	Machine Type	Mechanical + Pneumatics



CARBONATED DRINK PLANT

Description:

Carbonated beverages are drinks that include carbon dioxide dissolved in water. The presence of this gas creates bubbles and fizzing in the liquid. Carbonation can occur naturally underground or artificially, through pressurizing. Examples of carbonated beverages include spring water, beer and soda, or pop.

Features:

- ⊗ Clients can buy washing line production later
- ⊗ Filling and capping production line built in one body
- ⊗ Easy to handle and maintain the machine



RTS BEVERAGE PLANT

Description:

This juice plant can fill 200 ml and 2 ltr juices into the bottles, jars, glass bottles and pouches. The offered plant can process 1800 to 5400 bottles per hour efficiently. The production line of the plant comprises of filling and capping of the bottles. In addition with it, the offered machine requires less installation space and offer low power consumption.

Features:

- › Clients can buy washing line production later
- › Filling and capping production line built in one body
- › Easy to handle and maintain the machine



SYNTHETIC JUICE PLANT

Description:

This plant is designed for offering ready drink solution to clients engaged in beverage processing. The plant comprised of filler, capper, labeling unit, and sealing production line. Offered plant is manufactured by our experienced professionals from the unit. Moreover, clients can also give their own business specific demands for the plant installation.

Features:

- › Long service life and cost-effective
- › High throughputs and superior flow rates
- › No need of pre-wetting
- › Can produce 1000 lit per hour



ULTRA FILTRATION SYSTEM

Description:

Ultrafiltration (UF) is a type of membrane filtration in which hydrostatic pressure forces a liquid against a semipermeable membrane. A semipermeable membrane is a thin layer of material capable of separating substances when a driving force is applied across the membrane. Once considered a viable technology only for desalination, membrane processes are increasingly employed for removal of bacteria and other microorganisms,

particulate material, and natural organic material, which can impart color, tastes, and odors to the water and react with disinfectants to form disinfection byproducts (DBP). As advancements are made in membrane production and module design, capital and operating costs continue to decline.



DEMINERALIZATION PLANT

Description:

Demineralized water also known as Deionized water & it has removed mineral ions from water. Mineral ions such as cations of sodium, calcium, iron, copper, etc and anions such as chloride, sulphate, nitrate, etc are common ions present in water. Deionization is a physical process which uses specially-manufactured ion exchange resins which provides ion exchange site for the replacement of the mineral salts in water with water forming H^+ and OH^- ions. Because the majority of water impurities are dissolved salts, deionization produces a high purity water that is generally similar to distilled water, and this process is quick and without scale buildup.

De-mineralization technology is the proven process for treatment of water. A DM Water System produces mineral free water by operating on the principles of ion exchange, Degasification, and polishing. Demineralized Water System finds wide application in the field of steam, power, process and cooling.



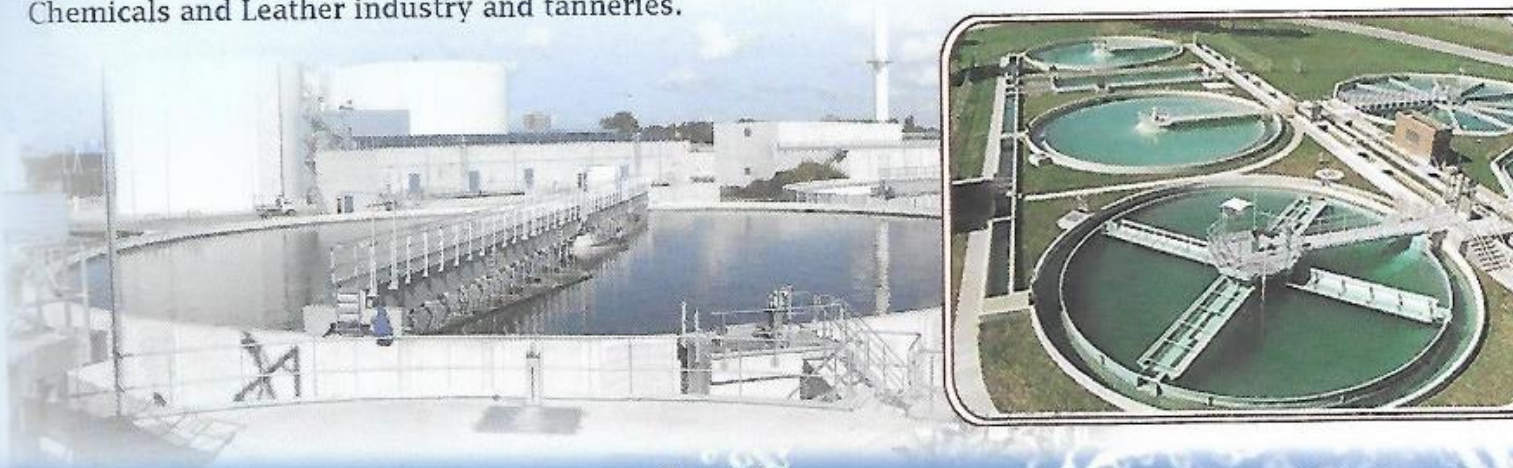
EFFLUENT TREATMENT PLANT

Description:

Effluent Treatment Plants or (ETPs) are used by leading companies in the pharmaceutical and chemical industry to purify water and remove any toxic and non toxic materials or chemicals from it. These plants are used by all companies for environment protection. An ETP is a plant where the treatment of industrial effluents and waste waters is done. The ETP plants are used widely in industrial sector, for example, pharmaceutical industry, to remove the effluents from the bulk drugs.

During the manufacturing process of drugs, varied effluents and contaminants are produced. The effluent treatment plants are used in the removal of high amount of organics, debris, dirt, grit, pollution, toxic, non toxic materials, polymers etc. from drugs and other medicated stuff. The ETP plants use evaporation and drying methods, and other auxiliary techniques such as centrifuging, filtration, incineration for chemical processing and effluent treatment.

The treatment of effluents is essential to prevent pollution of the receiving water. The effluent water treatment plants are installed to reduce the possibility of pollution; biodegradable organics if left unsolved, the levels of contamination in the process of purification could damage bacterial treatment beds and lead to pollution of controlled waters. The ETPs can be established in the industrial sectors like Pharmaceuticals, Chemicals and Leather industry and tanneries.



POULTRY FEED PELLET MILL

Description:

Our precisely designed Feed Mills are extensively used by poultry firms for processing of soybean, wheat and corn. These are also required for addition of nutrients into feed pellets for poultry animals. Fabricated by using alloy steel or stainless steel, these are operated by variable frequency motor, ergonomically designed Feed Mills. Low noise level, long functional life, utilization of advanced technology for dry processing of feed pellets, adjustable operating speed, small footprint, user friendly design and low maintenance cost are the special attributes of these machinery.



PET PREFORM MAKING MACHINE

Description:

The basic technical and financial parameters of a project on the manufacture PET preforms by injection moulding PET bottle grade resin are described in this profile. This is the first stage in the two stage PET bottle manufacturing process suitable for large scale production and here the pet preform is molded on an injection moulding machine, then in the second stage the preform is reheated and blown on a blow moulding machine. The advantages of PET bottles include exceptional clarity, pure, safe, good barrier to oxygen, carbon dioxide and water, lightweight and therefore less shipping costs, no leakage, design flexibility, recyclable, long shelf life, good chemical resistance etc.



CORRUGATED CARTOON BOX MAKING MACHINE

Features:

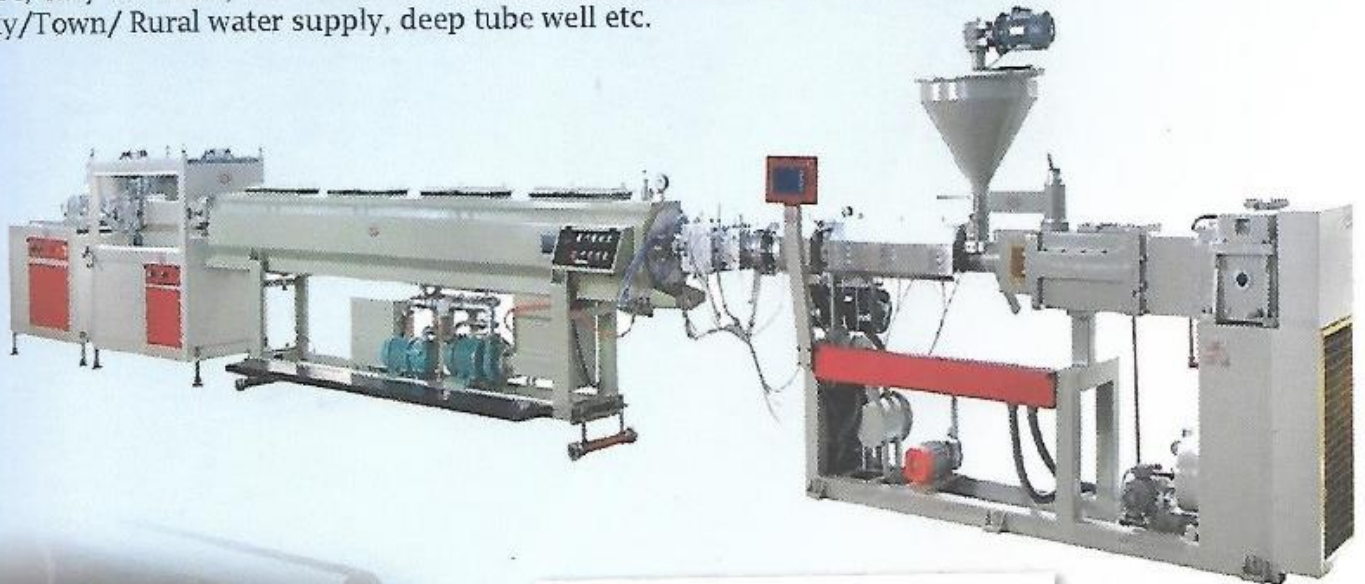
- Oblique Type Paper Corrugating Machine
- Reel to sheet cutter
- Sheet Pasting Machine
- Sheet Pressing Machine
- Board Cutter
- 4 Bar Rotary cutting & creasing machine
- Eccentric Slotter
- Box Stitching Machine
- Combined Rotary Creasing & Slotting Machine
- Die Punching Machine
- Board Printing Machine
- Board Lamination Machine



PVC PIPE MANUFACTURING PLANT

Description:

Polyvinyl- Chloride (PVC) is a plastic product which has matchless versatility. It effectively replaces wood, paper and metal in several applications. As such plastic pipes have been progressively replacing conventional pipes. PVC pipes are most widely used all over the world. PVC pipes are light in weight, suitable for use under pressure, easy to install, low frictional loss, low maintenance cost. Rigid PVC pipes have wide uses in fields like City/Town/ Rural water supply, deep tube well etc.



BREAD & COOKIES MAKING MACHINE

Features:

Adjustable speed and time of depositing rollers.
Adjustable speed of rotation of nozzles.
Automatic advancement of tray.
Mechanism of servo motor with heavy duty gear boxes.
Double sensor system of zero nozzles breakage.
Computerized height adjustable conveyor belt.
Complete sets of nozzles ,free of cost.
Single person operation mode or continuous cycle mode.
Anti slip conveyor belt in order to ensure the precise position of cookies on the Tray.
Adjustments for number of biscuits to be deposited per tray
Heavy duty motors and electronic circuits designed to tolerate Varying power supply conditions.
The entire wiring of the machine is done on international standards in R,Y,B coding and marking.
Machines available for single or three phase supply as per requirements
Multi layered and conical shaped cookies.
Sponge cake and cup cake depositing.
Servo drive controls for high speed and accuracy.
Tip control mechanism:
Hole in center of cookies for high depositing filling jam etc.
Assorted cookies by the same nozzles in single tray.



BISCUIT MAKING MACHINE

Description:

Biscuit Making Machinery is one of the most significant machinery of food industry. These work like a boon for biscuit making industry. These machinery comprises dough mixer, rotary moulder, rotary cutter, biscuit baking oven, laminator (vertical cut & lay), cooling conveyor, oil sprayer, biscuit sandwiching machine, and the likes.

These machines have made biscuit making process way more easy. Several biscuit making machinery manufacturers, suppliers, and exporters are engaged in bringing forth flawless range of biscuit making machinery to customer spread across the world.



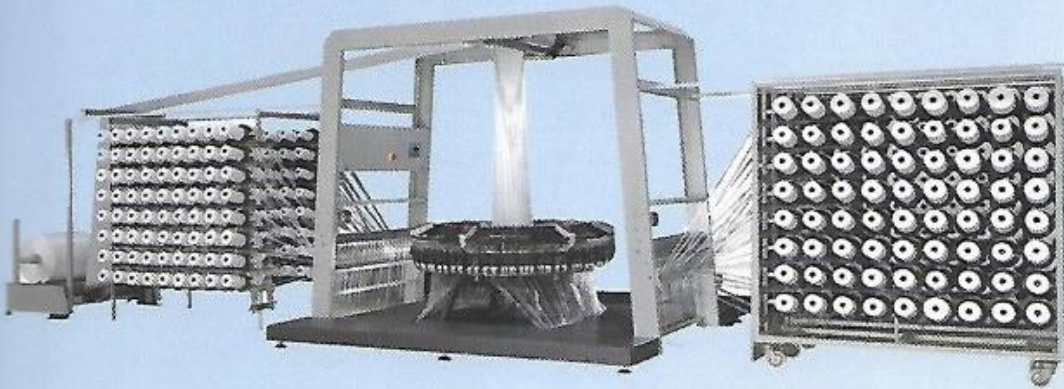
PP OVEN SACK MANUFACTURING PLANT

Description:

Extrusion Tape Stretching Plant have been developed for producing PP / HDPE tapes for many applications such as Woven Sacks / Knitted Bags / Raffia tapes, FIBC , Jumbo Bags Carpet Backing, Trapanlins , Wrapping fabrics & many other applications.

Features:

- First in india to launch fully inverter duty Tape Stretching Plants along with inverter duty winders.
- Extrusion Plants with low process variations in terms of Denier, GSM & Film Thickness in Microns.
- Extrusion Plants with negligible maintenance costs as machines are manufactured with world standard components.
- Extrusion Plants with lowest energy consumption in their class with options of centralised computer control & are most economical to run.



BI-AXIAL ROTOMOULDING MACHINE

Features :

- Specially designed for the energy saving environmental friendly heating chambers with efficient heat transfer technology.
- State of the art technology in designing the insulation panels for better working environment.
- Straight-arm with four mould carrying carrier plates for economical working.
- Machine controls are equipped with necessary interlocking, safety devices with indicators and alarm.
- Microprocessor based machine control panel with digital display.
- [PLC on specific request.]
- Variable speed a/c motors are for major and minor speed controls.
- Mould indexing facility.
- Environment friendly burners suitable for LPG/CNG/OIL/Duel fuels.
Plastic Mould (S.S. TO M.S.)



Manufacturer and Turnkey Project Consultant of

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- *PVC Pipe Plant*
- *LLDPE Water Storage Tank Project*



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