

TECHNOLOGY PVT LTD



LET'S SPEEDUP TOGETHER

Beverage Processing (RTS & CSD)

Sugar Dumping System

- 1) Easy to handle Sugar Bag
- 2) 100% Utilization of Raw Sugar
- 3) Easy to clean hopper- attached with CIP System
- 4) Easy to operate



Sugar Syrup Preparation Unit

- 1) Hyflow coating tank
- 2) Low Sugar wastage during preparation
- 3) Filtration & Cooling System before storage
- 4) Crystal clear Syrup Prepare by proper hyflow coating
- 5) Sugar will prepare 60 to 70 Brix syrup

Benefits

- 1) Fast Preparation Technology
- 2) Low sugar wastage during preparation
- 3) Storage preparation system which remove carbon & other partials
- 4) Easy to operate preparation unit
- 5) Committed to deliver good quality sugar syrup





Juice Drink Plant Processing

Pasteurizer

▶ Functionality

- 1) Features corrugated SS316 clip-on plates for efficient heat transfer.
- 2) Ideally suited for milk, cream, and other low-viscosity liquids.
- 3) Designed with a compact layout ensuring high thermal efficiency.
- 4) Equipped with automatic valve operation and remote control panels for seamless integration.

▶ Benefits

- 1) Guarantees uniform and reliable pasteurization performance.
- 2) Minimizes space, energy, and utility consumption.
- 3) Provides easy cleaning, quick maintenance, and long operational life.





Juice Drink Plant Processing

Processing Section (Homogenization)

▶ Functionality

- Incorporates plate or tubular pasteurizers to ensure microbial safety
- 2) Utilizes high-pressure homogenizers for achieving smooth and uniform product texture.
- 3) Offers optional deaeration and heat recovery systems for enhanced process efficiency.
- 4) Designed to handle both syrup-based formulations and pulp-rich beverages with equal effectiveness.



▶ Benefits

- 1) Enhances shelf life and flavour retention of the final product.
- 2) Prevents phase separation and ensures stable product consistency.
- 3) Preserves the natural colour, aroma, and appearance of beverages.

CIP System (PLC Based)

- 1) Multi-Tank Design: 2- or 3-tank setup enables reuse of cleaning and rinse solutions, minimizing water, chemical, and energy use.
- 2) Energy Efficiency: Optimized flow paths and advanced heat exchange technology reduce energy consumption and operating costs.
- 3) High-Quality Materials: Built with durable, corrosion-resistant materials for long service life.
- 4) Advanced Monitoring & Control(PLC): Real-time monitoring, adjustable parameters, and automated alerts ensure efficient and reliable operation.
- 5) Ease of Maintenance: Modular design enables easy access and component replacement.

6) Skid-Mounted System: Modular and easy to install, allowing quick integration and mobility within the production line.





Beverage Processing (RTS & CSD)

Flavoured Mixing Tank

- 1) Capacity 200ltr to up to Customer Requirements
- 2) Puff Installed, so it will used to boil ingredients which is necessary
- 3) Attached with CIP System



Beverage Blending Section

▶ Functionality

- 1) Blends syrup, pulp, RO water, and additives
- 2) Prevents separation with constant agitation
- 3) Integrated with homogenizer for uniformity and proper mixing
- 4) Output stored in insulated blending tanks

▶ Benefits

- 1) Ensures recipe consistency across batches
- 2) Enhances shelf life and flavour stability
- 3) Handles natural and synthetic formulations



Carbonator

- 1) Proper Dissolve Co2 into Beverages
- 2) Enchase Co2 Stability in Production
- 3) Micro Carbonation system will enhance the quality of product
- 4) Proper Utilization of Co2
- 5) Auto Technology for Co2 Mixing transferring Beverage with Safety Feature





THANK YOU FOR YOUR ATTENTION

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LET'S SPEEDUP TOGETHER

TURNKEY MINERAL WATER PROJECT

(30 BPM TO 200 BPM)

WE PROVIDE THE FOLLOWING KINDS OF MACHINERY



BLOWING MACHINE

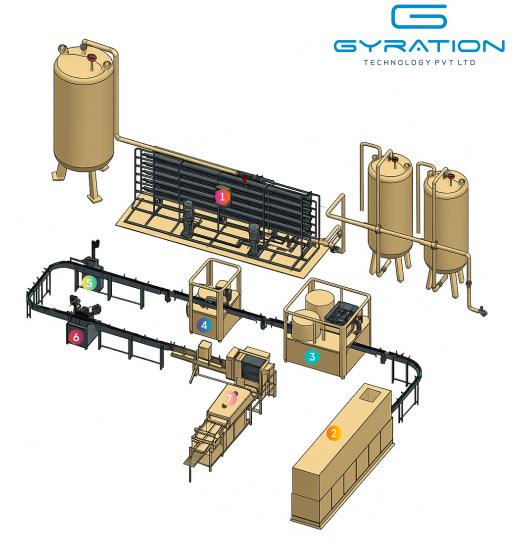
3 FILLING MACHINE

4 BOPP LABELING MACHINE

5 BATCH CODING MACHINE

6 STICKER LABELING MACHINE

7) SHRINK WRAPPING MACHINE



REVERSE OSMOSIS PLANT (RO PLANT)

(4000 LPH to 20000 LPH)

- Pressure sand filter
- Activated carbon filter
- ▶ Absolute micron cartridge filters (MCF).
- ▶ Reverse osmosis system
- Anti scalant dosing
- Added Mineral Technology
- Ultra violet sterilizer
- Product water storage tank
- ▶ High pressure pump
- Ozone generator : (ozone)
- ▶ Generate the ozone gas



Plant Capacity	Product Storage Capacity	Raw Water Storage Capacity	Power Load
60 BPM	4000 LPH	8000 LPH	9 KW
90 BPM	6000 LPH	12000 LPH	12 KW
120 BPM	8000 LPH	16000 LPH	15 KW
200 BPM	12000 LPH	24000 LPH	20 KW



HIGH-SPEED AUTOMATIC PET BLOWING MACHINE

Our Family automatic PET Blowing Machines offer high-speed bottle production ranging from 9,000 to 26,000 bottles per hour.

Available in 4 to 12 cavity configuration, each machine is designed to meet the demands of modern beverage and packaging industries.

Equipped with advance heating systems, optimized air consumption, and energy-efficient, these machines ensure uniform bottle quality, low operational costs, and production. the compact design, fast mold changeovers, and user-friendly interface make these machines a smart and reliable choice for industrial-Scale operations.

4 CAVITY AUTOMATIC PET BLOWING MACHINE

High-Volume Production, Low Cycle Time

TECHNICAL SPECIFICATIONS

MODEL	GT-4C2	GT-6C2	GT-8C2	GT-10C2	GT-12C2
Cavity	4	6	8	10	12
Theoretical Output	9000-10000 BPH	12000-15000 BPH	16000-20000 BPH	20000-24000 BPH	24000-26000 BPH
Max Bottle Volume	1 L	1 L	1 L	1 L	1 L
Bottle Mouth Dia.	24-30 MM				
Bottle Max. Dia.	100 MM				
Bottle Max. Height	330 MM				
Light Tube Quantity	32 PCS				
Light Tube Power	1.25 KW				
Total Installed Power	52 KW	68 KW	82 KW	98 KW	110 KW
Actual Power Consumption	30-60 KW				
Work Air Pressure	5-6 KG/CM2				
Low Pressure Air Consumption	2.5-3 M3 / MIN				
Blow Bottle Pressure	25-45 KG / CM2				
High Pressure Air Consumption	5-6 M3 / MIN				
Cooling Water Pressure	3-5 KG / CM 2				
Chiller Water Temp. Range	10-12 0C				
Machine Dimensions	3600x1600x1900MM	4800x1600x1900MM	5800x1600x1900MM	6820x1600x1900MM	9570x1600x1900MN
Machine Weight	4300 KG	6100 KG	6800 KG	7500 KG	11600 KG

FILLING MACHINE FOR WATER

(60 BPM TO 250 BPM)

- Mono block rotary machine
- If there is no bottle then there will be no rising, no filling and no capping
- Non contact sensors for bottle counter
 Separate cap elevator
- Material of contractions contact parts SS316L rest SS304



Plant Capacity	Rinsing	Filling	Capping	Power Consumption
60 BPM	12 Heads	12 Heads	4 Heads	3 KW
90 BPM	16 Heads	16 Heads	6 Heads	5 KW
120 BPM	20 Heads	20 Heads	6 Heads	6 KW
200 BPM	30 Heads	30 Heads	10 Heads	7 KW
250 BPM	40 Heads	40 Heads	10 Heads	9 KW

FILLING MACHINE FOR CSD

(60 BPM TO 250 BPM)

- Mono block rotary machine
- If there is no bottle then there will be no rising, no filling and no capping
- Non contact sensors for bottle counter Separate cap elevator
- Material of contractions contact parts SS316L rest SS304



Plant Capacity	Rinsing	Filling	Capping	Power Consumption
60 BPM	12 Heads	12 Heads	4 Heads	3 KW
90 BPM	16 Heads	16 Heads	6 Heads	5 KW
120 BPM	20 Heads	20 Heads	6 Heads	6 KW
180 BPM	24 Heads	30 Heads	8 Heads	7 KW
250 BPM	40 Heads	40 Heads	10 Heads	9 KW

STICKER LABELING MACHINE

- ▶ 7 inch touch screen operated HMI: MITSUBISHI, DELTA, etc
- Special Functions: Products Delay, Label Length, Label Speed
- Multiple program facility for easy and fast operation
- Total count facility for output records
- A.C. Drive: MITSUBISHI, DELTA, etc
- Operator free machine
- Easy to use, adjustment require minimum tools or change of parts
- ▶ High speed efficiency & accuracy





INDUSTRIES SERVED









BOPP LABELING MACHINE



CAPACITY

- 60 BPM 100 BPM
- 100 BPM 250 BPM

- Machine construction is with Stainless Steel 304 •
 - Vacuum System <
 - With PLC Control System
 - No bottle, No Label Mechanism provided 🔹
 - and it avoids the wastage of labels •
 - Fully synchronized AC Inverted Drives •
 - Overall Labeling Speed is controlled by
 - a Variable Speed Drive





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