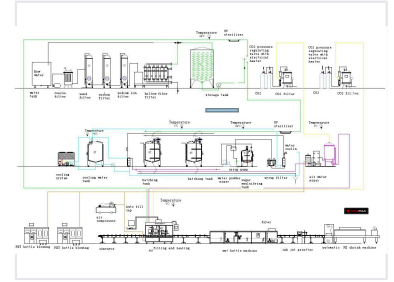


Carbonated Beverage Production Line

This production line creates soda water and carbonated beverages. The system integrates water treatment, syrup preparation, mixing, filling, and packaging.



Overview

Integrated Carbonated Beverage Production Line

This comprehensive production line is designed for the efficient manufacturing of soda water and carbonated beverages. The integrated system manages the entire process from multi-stage water treatment and precision syrup preparation to controlled CO2 mixing and automated filling. Designed for reliability, the line incorporates advanced PET bottle blowing, sealing, and final packaging via automatic shrink wrapping.

System Capabilities

Production Workflow

- Multi-stage water filtration
- UV sterilization
- Syrup batching and emulsification
- CO2 mixing and cooling
- PET bottle blowing
- Automated filling and sealing
- Coding and ink-jet printing
- PE shrink packaging

Operational Metrics

1 Full

System Integration Level

Water Treatment

Filtration Components

Coarse Filter, Sand Filter, Carbon Filter, Sodium Ion Filter, Hollow Fiber Filter, UV Sterilizer

Technical Specifications

Equipment Breakdown

Component Category	Key Equipment
Beverage Prep	Batching tanks, Water powder mixer, Sugar emulsifying tank
Filling & Finishing	Auto filling and capping, Ink jet printer, Wet bottle machine
Packaging	PET bottle blowing machine, Automatic PE shrink machine
Utility	Cooling system, Air compressor, CO2 storage and filtration