

Liquid Detergent Production Line

This automated production line is designed for manufacturing liquid detergents. It features filling, capping, and labeling stations to ensure high-volume output.



ADDITIONAL IMAGES



Overview

Industrial Liquid Detergent Production Line

This complete liquid detergent production line is engineered for both civil and industrial applications, including the manufacturing of dishwashing liquid, laundry detergent, shampoo, and shower gel. Utilizing a mature intermittent production process, the system ensures stable and reliable operation with strong scalability. The line supports flexible control options ranging from manual operation to fully centralized computer control, providing a robust solution for facilities with output requirements exceeding 5000 tons per year.

Technical Capabilities

Annual Production Capacity

5000 tons/year

Minimum Annual Output

Control Options

Manual Operation, Semi-Automatic, Centralized Computer Control

Process Workflow

Production Process Flow

- Material measurement and feeding into slurry tank
- Mixing, stirring, and chemical reaction
- Cooling and settling in static tank
- Air bubble removal for phase stability
- Gravity-fed transport to filling line
- Packaging and storage

Equipment Features

Key System Components

Slurry Tank • Static Tank • Filling Line • Stainless Steel Conveyor • Precision Filling Nozzles

Reactor Specifications

Feature	Description
Construction	Stainless Steel
Agitation	Top-mounted drive with gear reducer
Temperature Control	Jacketed vessel design
Monitoring	Integrated sight glass and instrumentation

Services

Included Services

- Consultation
- System Design
- Equipment Supply
- Installation
- Debugging Training