

Detergent Powder Spray Drying Tower Production Line

This production line utilizes a spray drying tower for manufacturing detergent powder. The system incorporates advanced spray nozzle technology and precise temperature control to ensure uniform particle size and consistent product quality.



ADDITIONAL IMAGES



Overview

Industrial Detergent Powder Production Solutions

This industrial spray drying tower production line is engineered for high-capacity manufacturing of detergent powders. Utilizing a spray-agglomeration process, it delivers consistent product quality with controlled apparent specific gravity. The system is designed for scalability and operational efficiency in modern manufacturing facilities.

Performance

Annual Output Capacity

5000 tons
Minimum Capacity

250000 tons
Maximum Capacity

Product Bulk Density

0.25 g/cm³
Min Density

0.5 g/cm³
Max Density

Configuration

Available Automation Options

Semi-automatic, Fully automatic

Technical Specifications

Core Production Characteristics

- Tower spray-agglomeration process
- Hydrated aging and filtration system
- High-pressure slurry pump system
- Advanced nozzle mist particle formation
- Hot air furnace drying
- Post-blending for enzymes and additives