

Detergent Powder Post-Blending Production Line

This production line is designed for the post-blending stage of detergent powder production. The system efficiently conveys, mixes, and prepares detergent powder for packaging.



ADDITIONAL IMAGES



System Overview

Post-Blending Production Workflow

This production line is designed for the post-blending stage of detergent powder manufacturing, integrating automated feeding, homogeneous mixing, and precise packaging. The system utilizes a pressure atomizing nozzle to ensure thorough perfume absorption while maintaining a consistent powder curtain. With integrated screening, weighing, and heat-sealing capabilities, this solution offers a streamlined approach to high-volume detergent processing.

Construction

Stainless Steel, Heavy-duty Steel Framework

Operational Workflow

Feeding Process

- Electric hoist for ton bag lifting
- Automatic feeder hopper
- Direct transfer to mixer

Mixing Technology

- Pressure atomizing nozzle for perfume application
- Adjustable mixer speed
- Powder curtain formation for optimal adsorption

Post-Mixing Steps

- Automated sieving/screening
- Lifter transfer to finished product silo

Packaging Station

Packaging Workflow

- Semi-automatic packing machine
- Automatic weighing
- Platform scale weight verification
- Heat sealing and seal quality inspection

Manual Operations

Bag placement, Boxing, Packing, Stacking, Warehouse transfer