

Calcium Hydroxide Production Line for Water Treatment

Calcium hydroxide is commonly used as a flocculant in water and sewage treatment facilities. The production line creates a charged solid that removes small particles from water, clarifying the final product.



Overview

Industrial Calcium Hydroxide Production

This industrial production line is engineered for the efficient, high-volume manufacturing of calcium hydroxide, commonly known as slaked lime. The system integrates advanced milling, classification, and processing technologies to ensure consistent particle size distribution and high product quality. Designed for durability and energy efficiency, this solution is optimized for large-scale operations in water treatment, paper manufacturing, and food processing industries.

Key Features

Operational Benefits

- High grinding and classifying efficiency
- Easy maintenance and low operation cost
- High level of automation
- Stable product quality
- Environment-friendly design
- High reliability

Industrial Applications

Food Industry Applications

Application Area	Purpose
Sugar Industry	Clarify raw juice from sugarcane or sugar beets
Beverage Processing	Water processing for alcoholic beverages and soft drinks
Food Preservation	Pickling cucumbers and processing maize (nixtamalization)
Dietary Supplements	Fortifying fruit drinks and infant formula

Primary Industrial Applications

Water & Sewage Treatment, Paper Industry, Food Industry, Sugar Refining, Chemical Manufacturing

Technical Details

Core System Components

- Vertical roller mill for grinding
- Advanced particle size classifier
- Automated collection system

Chemical Properties

Inorganic Compound • $\text{Ca}(\text{OH})_2$ • Colorless crystal or white powder