

Metallurgical Rotary Calcining Kiln

This kiln roasts lean iron ore to enhance its magnetism, improving the efficiency of magnetic separation processes. It utilizes a rotating cylinder for the mechanical, physical, or chemical processing of solid materials.



Product Overview

Industrial Rotary Calcining Kiln

The Metallurgy Chemical Kiln is a core piece of heavy machinery designed for the mechanical, physical, or chemical processing of solid materials. Utilizing a rotating cylinder device, it provides precise high-temperature control essential for calcination, roasting, and drying processes. This robust equipment serves as a critical component in sectors ranging from building materials and metallurgy to environmental waste management.

Applications

Industries Served

Building Materials, Metallurgy, Chemical Industry, Environmental Protection, Mineral Dressing

Functional Capabilities

Core Functions

- Calcination and drying of building materials
- Roasting lean iron ore to enhance magnetism for separation
- Cement production (core equipment)
- Chemical production (soda, phosphate, barium sulfide)
- Hazardous waste incineration for recycling

Technical Design

Design Features

Rotating Cylinder Mechanism • High-Temperature Processing • Uniform Material Heating • Heavy-Duty Construction