

Industrial Rotary Drying Machine

The rotary drying machine features high mechanization, strong production capability, and continuous operation. Its excellent and simple structure ensures a steady operating process with easy operation.



ADDITIONAL IMAGES



Overview

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This industrial rotary drying machine is a high-efficiency material heating and drying device designed for large-scale operations. It utilizes a coaxial rotary drum structure with spiral vanes and interrupted raising plates to facilitate continuous, steady drying. Engineered for durability, it is ideal for demanding environments in construction, metallurgy, and metal processing industries.

Key Features

Operational Advantages

- High mechanization and strong production capability
- Continuous operation for high throughput
- Simple, robust structure for steady operation
- Low maintenance and power consumption
- Wide application range

Design Highlights

Coaxial rotary drum, Sleeve column structure, Internal smoke tubes, Annular smoke tubes

Applications

Suitable Materials

Slag • Clay • Coal powder • Leaching residue

Target Industries

Construction • Metallurgy • Metal processing • Mining

Technical Details

Efficiency Metrics

The sleeve column structure significantly shortens the dryer length while increasing the heat exchange area, which reduces overall heat consumption. For specific untouchable materials, the design incorporates inner and annular smoke tubes connected via radial tubes to maximize thermal efficiency.