

Industrial Rotary Dryer

This industrial dryer is suitable for drying materials with specific humidity or particle sizes within industries like ore processing and metallurgy. The rotary dryer tumbles materials inside a drum while hot air vaporizes moisture for quick drying.



ADDITIONAL IMAGES



Product Overview

Industrial Rotary Dryer

This industrial rotary dryer is a versatile solution designed for drying materials with specific humidity levels or particle sizes. It is widely utilized across various sectors, including ore processing, metallurgy, construction, chemical engineering, and road repairing. The system integrates advanced heat exchange technology to ensure rapid moisture vaporization and high operational efficiency.

Technical Features



Industrial rotary dryer featuring heavy-duty steel construction and lifting flights for enhanced material agitation.

Key Features

- Combined raising device for high heat efficiency
- Low coal consumption design
- Compatible with multiple combustion furnaces (high-temp boiler, grinding powder coal stove, artificial adding coal stove)
- Pin column changeable gears for reduced maintenance costs
- Centralized control system for microcomputer monitoring

How it Works

The system utilizes an exhaust fan to draw air through a heat exchanger. Inside the rotary drum, wet materials are continuously turned over to facilitate heat exchange with the hot air. This process vaporizes moisture, which is then ejected from the dryer, allowing for rapid material processing.

Applications



Examples of raw materials suitable for processing, including various minerals and rocks.

Suitable Industries

Ore Processing, Metallurgy, Construction, Chemical Engineering, Road Repairing

Compatible Materials

Slag, River Sand, Minerals, Ores