

Industrial Rotary Dryer

Combined raising device realizes high heat efficiency and low coal consumption. The wet materials inside the rotary dryer drum are turned over and over to change heat with the hot air to vaporize and dry materials within a short time.



Overview



The drying principle involves heating air through a heat exchanger and circulating it through a rotating drum, where internal flights agitate the material for even moisture removal.

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This industrial rotary dryer is a high-efficiency solution designed for moisture removal in demanding sectors such as ore processing, metallurgy, construction, and chemical engineering. It utilizes a rotating drum mechanism combined with forced hot air circulation to vaporize moisture from materials rapidly. The system features a specialized internal raising device that optimizes heat transfer, ensuring low energy consumption during operation.

Key Features

Key Advantages

- High heat efficiency via combined raising device
- Low coal consumption
- Compatible with multiple combustion furnace types
- Cost-effective maintenance with pin column changeable gears

Technical Details

Compatible Furnaces

- High temperature boiler
- Grinding powder coal stove
- Artificial adding coal stove

Suitable Industries

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

Compatible Materials

Slag, River Sand, Bulk Ore, Chemical Raw Materials