

Coal Slime Dryer for Material Processing

This dryer efficiently reduces the moisture content of coal slime, enabling its use as fuel. It features a unique scattering device to maximize heat utilization and improve drying performance.



Product Overview

High-Efficiency Coal Slime Drying

This industrial dryer is specifically engineered to handle materials with high humidity and viscosity, such as coal slime. By utilizing a unique scattering device, it maximizes the contact surface area between the material and hot air, significantly improving heat utilization efficiency. The result is a reliable drying process that reduces moisture content to 12% or less, transforming waste materials into usable fuel.

Performance

Final Moisture Content	12 %
Key Operational Benefits	High Overload Resistance, Large Capacity, Low Energy Cost, Cost-Effective

Construction & Components



The dryer utilizes a specialized scattering device to ensure even heat distribution and efficient moisture removal from viscous coal slime.

System Components

- Heat resource
- Scattering device
- Belt feeder
- Feeding machine
- Rotary drum
- Belt discharge machine
- Induced draft fan
- Tripper
- Power distribution cabinet

Applications

Compatible Industries

Industry	Materials Processed
Coal Industry	Coal, coal slime, flotation plant materials
Building Materials	Blast furnace slag, clay, bentonite, limestone, sand, quartz
Mineral Processing	Metal ore concentrate, slag, tailings
Chemical Industry	Non-heat sensitive materials