

Rotary Coal Ash Dryer

This rotary dryer is designed for reducing the moisture content of coal ash. The dried coal ash can then be used as an admixture for cement, mortar, and concrete.



Overview

Industrial Rotary Coal Ash Dryer

This industrial-grade rotary dryer is engineered for high-capacity drying of coal ash, slag, sand, and various mineral powders. It features a robust cylindrical drum design with advanced internal lifting mechanisms to ensure efficient heat transfer and consistent material flow. Designed for versatility, it supports multiple fuel types including coal, oil, and gas, offering an energy-saving solution that reduces consumption by up to 20% compared to standard models.

Key Features

Operational Advantages

- Energy-saving design (20% more efficient than similar products)
- High automation level for easy operation
- Low outlet temperatures to extend dust removal equipment lifespan
- Modular lifting device for precise moisture regulation
- Versatile fuel compatibility (coal, oil, gas)

Applications

Industry Applications

Coal Industry, Ore Beneficiation, Steel Making, Sand Making

Processible Materials

Slag, Sand, Coal, Coal Ash, Iron Powder, Minerals, Silica Sand

Technical Specifications

Performance Data

Specification (m)	Capacity (t/h)	Motor Power (kw)	Reducer Type
1.2x10	2.5-3	7.5	ZQ350a-25
1.5x14	7-9	15	ZQ400a-31.5
1.5x18	9.5-12	15	ZQ400a-31.5
1.8x14	12-15	18.5	ZQ400a-31.5
1.8x18	14-18	18.5	ZQ400a-31.5
2.0x18	18-22	22	ZQ50a-31.5
2.0x20	18-23	22	ZQ50a-31.5
2.2x18	21-25	22	ZQ65a-31.5
2.2x20	22-25	30	ZQ65a-31.5
2.4x20	25-29	30	ZQ75a-31.5
2.4x22	26-30	30	ZQ75a-31.5
2.6x20	28-33	37	ZQ85a-31.5
2.6x24	29-35	37	ZQ85a-31.5
3.0x20	45-50	45	ZQ100a-31.5

Moisture Control

0.5 %

Minimum Discharged Moisture

13 %

Maximum Discharged Moisture