

# Rotary Drum Mining Dryer

The rotary drum mining dryer efficiently dries materials via a rotating drum. It is widely used in metallurgy, chemical engineering, and cement industries for drying mineral slag, limestone, coal dust, and clay.



## ADDITIONAL IMAGES



## Product Overview

### Efficient Industrial Drying Solution

The Rotary Drum Mining Dryer is a high-performance solution designed for the building materials, metallurgy, chemical engineering, and cement industries. It utilizes a rotating body combined with internal throwing flitches to disperse materials uniformly, ensuring optimal contact with hot countercurrent air for accelerated heat and mass transfer. With a robust design that includes a transmission device, supporting device, and sealing rings, this dryer offers reliable operation, high output, and energy-efficient performance for both large-particle materials and specialized powdery substances.

## Applications

### Compatible Materials

- Mineral Slag
- Limestone
- Coal Dust
- Clay
- Ore
- Blast Furnace Slag
- Metal Powder
- Phosphatic Fertilizer
- Ammonium Sulfate
- HP Foaming Agent
- Distilled Grain Slag
- Calcium Carbonate
- Activated Clay
- Magnetic Powder
- Black Lead
- Decoction Dregs

### Industries Served

Building Materials, Metallurgy, Chemical Engineering, Cement Industry, Mining

## Technical Specifications

### Model Capacity and Power Data

Model	Volume (m <sup>3</sup> )	Throughput (t/h)	Power (kw)	Weight (t)
1.2x8.0	9	1.9-2.4	7.5	9
1.2x10	11.3	2.4-3.0	7.5	11
1.5x12	21.2	4.5-5.7	15	18.5
1.5x14	24.7	5.3-6.6	15	19.7
1.5x15	26.5	5.7-7.1	15	20.5
1.8x12	30.5	6.5-8.1	18.5	21.5
1.8x14	35.6	7.6-9.5	18.5	23
2.2x12	45.6	9.7-12.2	22	33.5
2.2x14	53.2	11.4-14.2	22	36
2.2x16	60.8	13.0-16.2	22	38
2.4x14	63.3	13.5-16.9	37	45
2.4x18	81.4	17.4-21.7	37	49
2.4x20	90.4	19.3-24.1	45	54
2.4x22	99.5	21.2-26.5	45	58
2.6x24	127.4	27.2-34.0	55	73
3.0x20	141.3	30.1-37.7	75	85
3.0x25	176.6	37.7-47.1	75	95
3.2x25	201	42.9-53.6	90	110
3.6x28	285	60.8-76.0	160	135

### Operating Parameters

**3 %**

Min Installation Angle

**5 %**

Max Installation Angle

**700**

Min Air Temperature

**800**

Max Air Temperature