

# Rotary Bentonite Dryer

This bentonite dryer efficiently dries granular, adhesive, and high-moisture materials. It is suitable for drying materials in industries such as cement, mining, building materials, chemical processing, food production, and fertilizer manufacturing.



## ADDITIONAL IMAGES



## Overview

### Rotary Bentonite Dryer

This industrial rotary dryer is engineered for high-efficiency moisture removal from granular, pasty, and high-moisture materials like bentonite, clay, coal, and various ores. Featuring a robust rotating drum design, it utilizes high-temperature hot air to rapidly dry materials while maintaining low fuel consumption and operational costs. The system is built for durability, incorporating spherical tugs and advanced retaining structures to minimize wear and tear while ensuring stable, overload-resistant performance across diverse industrial applications.

### Compatible Materials

- Slime
- Raw coal
- Flotation clean coal
- Mixing clean coal
- Slag
- Clay
- Bentonite
- Limestone
- Sand
- Quartz stone
- Metal concentrate
- Waste residue and tailings

### Primary Applications

Mining, Ore Beneficiation, Construction Materials, Chemical Engineering, Cement Production, Fertilizer Production, Food Processing

## Technical Specifications

### Model Specifications

Model (mm)	Speed (r/min)	Capacity (t/h)	Power (KW)	Weight (t)
!600x6000	3-8	0.5-1.5	3	2.9
!800x8000	3-8	0.8-2.0	4	3.5
!800x10000	3-8	0.8-2.5	4	4.5
!1000x10000	3-8	1.0-3.5	5.5	5.6
!1200x10000	3-8	1.8-5	7.5	14.5
!1200x12000	3-8	2-6	11	14.8
!1500x12000	2-6	3.5-9	15	17.8
!1800x12000	2-6	5-12	18	25
!2200x12000	1.5-6	6-15	18.5	33
!2200x18000	1.5-6	10-18	22	53.8
!2200x20000	1.5-6	12-20	30	56
!2400x20000	1.5-5	18-30	37	60
!3000x20000	1.5-5	25-35	55	78
!3000x25000	1.5-5	32-40	75	104.9

### Operational Parameters

**700**

Max Inlet Air Temp (Small models)

**800**

Max Inlet Air Temp (Large models)

**3 %**

Min Obliquity

**5 %**

Max Obliquity