

# Air-Swept Coal Pulverizer Mill

The air-swept coal mill grinds and dries coal using a combination of mechanical crushing and airflow. It is composed of a feeding device, main bearing, rotating part, gear, discharging equipment, and lubrication system.



## Overview

### Air-Swept Coal Pulverizer Mill

The air-swept coal mill is a high-efficiency grinding machine designed for pulverizing and drying various types of coal, including lignite, anthracite, and bituminous coal. Utilizing a steel ball grinding mechanism within a rotary drum, this equipment ensures consistent particle size reduction suitable for cement plants, thermal power stations, and chemical industries. Its robust design integrates feeding, grinding, and air-swept transport systems to deliver high-quality coal powder for industrial combustion.

## Key Performance Metrics

### Operational Specs

**43 t/h**

Max Production Capacity

**25 mm**

Max Feeding Size

**1250 kw**

Max Motor Power

### Suitable Industries

Cement Production, Thermal Power Generation, Metallurgy, Chemical Industry

## Technical Specifications

### Detailed Model Specifications

Model Spec (m)	Speed (r/min)	Capacity (t/h)	Fineness R80 (%)
!2.2x4.4	22.4	8-9	10-12
!2.4x4.75	20.4	12-14	8-10
!2.5x3.9	20	10	8-10
!2.8x5+3	18.3	16-17	8-10
!3.2x6.75+2	16.9	27-29	8-10
!3.8x7.25+3.5	16.4	41-43	12

## System Components

### Core Components

- Feeding device
- Main bearing
- Rotating drum
- Transmission gear system
- Discharging equipment
- High-voltage start-up device
- Lubrication system