

Industrial Cement Grinding Mill

The cement mill is a crucial piece of equipment used for grinding materials after they have been broken down. It is widely applicable in the dry or wet grinding of diverse ores and materials within the cement, silicate, new building material, refractory material, fertilizer, ferrous and non-ferrous metal, and glass ceramics industries.



Overview

Industrial Cement Grinding Solutions

This industrial cement mill is a critical component in cement production lines, designed for high-efficiency grinding of materials after initial crushing. It features a horizontal cylindrical rotary design that supports both dry and wet grinding processes for a wide range of ores and construction materials. With a robust construction including wear-resistant liners and stable working conditions, it ensures reliable performance in demanding industrial environments.

Performance Metrics

Processing Capacity

6.5 t/h

Min Capacity

135 t/h

Max Capacity

Motor Power Range

245 kW

Min Power

4200 kW

Max Power

Technical Specifications

Technical Data by Model

Specification (m)	Milling Form	Transmission	Power (kW)	Capacity (t/h)	Weight (t)
1.83x7	Open flow	Brim	245	6.5-8	43.8
2.2x7.5	Circle flow	Brim	380	8-10	64.8
2.2x11	Open flow	Central shaft	630	12-13	104.6
2.6x13	Open flow	Central shaft	1000	28-32	158
3.2x13	Open flow	Central shaft	1600	45-50	225
4.6x14	Circle flow	Central shaft	4200	120-135	485

Application & Materials

Application Range

- Cement production lines
- New building material manufacturing
- Metal beneficiation
- Fertilizer production
- Black and non-ferrous metal industries

Processible Materials

Cement, Silicate products, Ores, Construction materials, Refractory matter, Chemical fertilizer, Glass ceramic

Design Features

Dual-Cabin Grinding Process

Materials enter the first cabin for coarse grinding via ladder or ripple lining boards and steel balls. The material then passes through a single-layer partition into a secondary cabin equipped with flat lining boards for fine grinding to reach the final desired consistency.

Key Features

Wear-Resistant Liner • Casting Hobbling Gearwheel • Horizontal Cylinder • Stable Working Condition • Dry/Wet Grinding Options