

1500 Tons/Day Cement Production Line

This is a complete cement processing line with a production capacity of 1500 tons per day. It includes preheaters, rotary kilns, coolers, and associated equipment for grinding, mixing, and conveying.



Overview

High-Efficiency Cement Production Line

This 1500 tons/day cement processing line is a modern dry-process clinker production system designed for reliability and efficiency. The integrated workflow covers the entire production cycle, from limestone crushing and raw meal preparation to calcining and final cement grinding. Featuring advanced rotary kiln technology and five-stage cyclone preheaters, the system optimizes heat consumption and ensures high-quality clinker output.

Key Performance Metrics

Daily Production Capacity

1500 t/d

Cement Clinker

Heat Consumption

840 Kcal/kg

Heat Consumption

Certifications

ISO 9000, CE

Core Processing Equipment

Main Equipment Specifications

Equipment	Specification	Capacity/Power
Single-stage hammer crusher	TKPC16.18	250 t/h / 355 kW
Vertical mill	HRM2800mm	130 t/h / 1250 kW
Rotary kiln	∅3.5×54m	220 kW
Tube mill	∅3.5×13m	2000 kW

Process Details

Calcining System Components

- Single-row five-stage CDC predecomposition system
- 3.5x54m Rotary kiln
- New-type air girder cooling machine

Calcining Performance

Calcium Carbonate Resolution > 90% • Clinker Temp: Ambient + 65

Raw Material Handling

Homogenizing Silo Specs

15x50mMF, 6500t capacity