

Double-Chamber Vertical Lime Kiln

This circular, double-chamber vertical kiln is designed for active lime production. It holds a patent of invention along with two new practical patents.



Product Overview

Double-Chamber Vertical Active Lime Kiln

This double-chamber vertical active lime kiln utilizes a patented design distinct from traditional MEARZ-type kilns in its profile and working principle. Engineered for high-temperature processing and continuous operation, it offers built-in efficiency advantages for industrial lime production. The system is designed to produce high-quality active lime, which significantly enhances steel-making performance compared to common lime alternatives.

Technical Performance

Daily Output Capacity

400 t/day

Minimum Output

600 t/day

Maximum Output

Kiln Configuration

Double-Chamber, Vertical, Active Lime, Patented Design

Performance Comparison

Active Lime vs. Common Lime Performance

Metric	Common Lime	Active Lime
Lime consumption (Kg/t steel)	85.1	58.5
Desulfurization effect (%)	17.4	31.3
Scrap ratio (%)	7-8	10-12
Steel & iron consumption (Kg/t steel)	1120.8	1113.3
Times of spraying (Nos.)	21	12