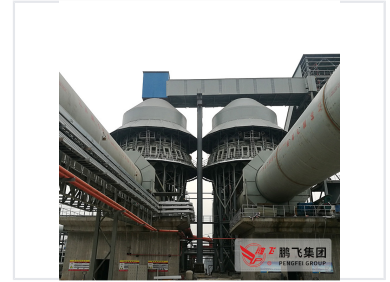


# Active Lime Production Line (1000 tons)

Equipment for an active lime production line capable of producing 1000 tons of active lime. The system incorporates advanced control technologies for precise temperature management and optimized energy consumption, ensuring consistent product quality and minimal environmental impact.



## ADDITIONAL IMAGES



## System Overview

### High-Efficiency Lime Production

This active lime production line is engineered for high-capacity industrial operations, supporting production levels up to 1000 tons per day. It utilizes advanced rotary kiln technology and vertical preheaters to ensure efficient calcination and consistent product quality. The system is specifically designed to enhance steelmaking processes by improving desulfurization and dephosphorization efficiency while significantly reducing operational costs and material consumption.

## Performance Metrics

Daily Capacity	1000 tons
Desulfurization/Dephosphorization Efficiency Improvement	80 %
Furnace Burden Consumption Reduction	8 kg/t

## Raw Material Requirements

### Limestone Quality Requirements

Component	Requirement
CaO	e 52%
SiO2	d 2.0%
MgO	d 1.5%

## Vertical Preheater System

### System Components

- Feeding system
- Preheating chamber
- Pushing device
- Hydraulic system
- Charging room
- Structural framework

## Operational Benefits

### Key Application Areas

Steel Production, Al<sub>2</sub>O<sub>3</sub> Production, Metal Mg Production, Calcium Carbide, Desulfurization