# Cement Grinding Station, 1 Million Tons Annual Output

This cement grinding station is engineered for an annual output of 1 million tons. It utilizes advanced grinding technology and efficient material handling systems to ensure high productivity.

ADDITIONAL IMAGES

## Overview

### High-Efficiency Cement Grinding Solution

This cement grinding station is engineered for a robust annual output of 1 million tons, utilizing advanced separate grinding technology for clinker and slag. The system integrates dual ¦ 4.2m × 13m cement mills and high-efficiency powder concentrators to ensure stable production and superior product quality. Designed for low energy consumption and high yield, it offers a reliable solution for large-scale cement manufacturing operations.

## Performance Metrics

**Annual Output**

**1000000 Tons**
Annual Production

## Technical Configuration

**Mill Dimensions**

- Two ¦ 4.2m × 13m cement mills
- Combined grinding process
- Separate clinker and slag grinding technology

| | |
|---|---|
| **Separation Equipment** | K-type Internal Circulation, Ultra-fine Special High-efficiency Concentrator, Dispersing Classifier |

## Process Design

### Clinker Grinding Workflow

- Measurement by belt weigher
- Magnetic metal removal via iron remover
- Particle size classification (2.5mm threshold)
- Fly ash metering and integration

### Slag Grinding Workflow

- Gypsum, dry slag, and fly ash measurement
- Air box pulse bag type dust removal
- Three-stage air separation (Primary, Secondary, Tertiary)

## Material Handling

### Conveying & Mixing Systems

| Equipment Type | Function |
|---|---|
| Spiral Metering Scale | Accurate flow stabilization and measurement |
| Air Conveying Chute | Fluidized transport and continuous mixing |
| Belt Conveyor | Initial material transport to elevators |

## Environmental Control

### Dust Management

Air Box Pulse Bag Filter • Mill Tail Dust Remover • Exhaust Fan Purification