

Trapezium Grinding Mill for Mineral Processing

The Trapezium Grinding Mill is an advanced solution for material processing in mining and industrial applications. Its trapezium-shaped grinding assembly enhances efficiency and reduces energy consumption.



ADDITIONAL IMAGES



Product Overview

High-Efficiency Grinding Technology

This European-style grinding mill is engineered for precision powder processing, leveraging advanced technology to meet rigorous industrial standards. Designed for versatility, it effectively handles a wide range of minerals including limestone, calcite, and gypsum, delivering consistent output fineness. The system features an optimized, compact design that maximizes production efficiency while minimizing floor space requirements.

Performance Metrics

Capacity

3 TPH

Minimum Capacity

50 TPH

Maximum Capacity

Input Material Size

50 mm

Output Fineness

200-330µ (80-425Mesh)

Technical Specifications

Key Design Features

- Split-type cambered shovel blade for increased working area
- Bevel gear transmission system
- Cambered air duct for low resistance
- Compact structure for reduced footprint

Wear-Resistant Components

Specialized alloy grinding rollers and rings with 1.7-2.5x longer service life than high manganese steel

Applications

Suitable Materials

Limestone, Calcite, Dolomite, Petroleum coal, Gypsum, Barite, Marble, Talc, Coal powder