

High-Pressure Grinding Roll

The high-pressure grinding roll is designed for efficient comminution of various materials. It utilizes counter-rotating rollers to crush material, resulting in a narrow particle size distribution and increased liberation of minerals.



Overview

HFCG Series Roller Press

The HFCG Series Roller Press is a high-pressure grinding roll (HPGR) engineered for the efficient comminution of diverse industrial materials. Utilizing two counter-rotating rollers, it delivers precise crushing that achieves a narrow particle size distribution and enhanced liberation of valuable minerals. This robust system is essential for mining, cement, and material processing operations requiring reliable pre-grinding, finish grinding, or agglomeration.

Technical Specifications

Core Components

- Robust structural frame
- Hydraulic cylinders
- Counter-rotating rollers
- Hydraulic accumulators
- Pressure gauges
- Precision control system

Primary Applications

Mining, Cement, Pre-grinding, Finish grinding, Agglomeration

Performance

Key Benefits

Narrow particle size distribution • Increased mineral liberation • Reliable performance

Operating Principle

High-pressure comminution via counter-rotating rollers