

Ceramic Lined Ball Mill Grinder

The ceramic ball mill is a grinding machine with a ceramic lining. It is suitable for material mixing and grinding to achieve uniform thickness in the final product.



Overview



A compact ceramic ball mill designed for uniform particle size and high-purity grinding applications.

High-Purity Ceramic Grinding Solution

The Ceramic Ball Mill is a specialized grinding machine designed for high-purity material processing, featuring a ceramic lining plate that prevents contamination. It is engineered for both dry and wet grinding, producing a final product with uniform thickness and extremely fine particle size. This energy-saving mill is capable of continuous 24-hour operation, making it an efficient choice for small-scale production and laboratory testing.

Key Features

Key Benefits

- Energy-saving design with latest grinding technology
- Non-contaminating ceramic lining for high purity
- Supports both dry and wet grinding processes
- Uniform thickness of final product
- Capable of continuous 24-hour operation

Performance

Operational Performance

24 h/day

Duty Cycle

Technical Specifications

Application Scale

Small Scale Production • Laboratory Testing

Grinding Media

Chinaware/Ceramic balls

Lining Material

Ceramic plate

Operation Modes

Dry Grinding, Wet Grinding, Continuous Operation

Working Principle

Grinding & Classification Process

The motor drives the cylinder to rotate via a reducer, lifting the internal media and material to a specific height before they drop under gravity. This impact and friction crush the ore, which is then discharged and classified. Coarse materials are returned for re-grinding while fine powder is continuously collected.

Applications

Target Materials

- Clay
- Feldspar
- Quartz
- Ceramic raw materials