

# LM vertical grinding mill

## LM vertical grinding mill brief introduction:

SBM LM series vertical mill is an advanced grinding machine, adopting top-ranking technology home& abroad and is designed based on many years of manufacturing experience of grinding mill.

SBM LM series vertical grinding mill is an ideal machine that integrates crushing, drying, grinding, and grading conveying all together.

## LM vertical grinding mill is suitable for:

SBM LM series vertical grinding mill is widely used in such industries as cement making, power, metallurgy, chemical industry, non-metallic mineral. It is used to grind granular and powdered materials into powder with required fineness.

SBM LM series vertical grinding mill is the ideal substitute of the traditional grinding mills like Raymond grinding mills, high pressure suspension grinding mills, ball grinding mills, etc.

## LM vertical grinding mill features and main benefits:

- 1) Simple structure and easy to maintenance.
- 2) Reliable performance, low operation cost.
- 3) High crushing ratio and high drying ability.
- 4) Low investment cost with stable quality.
- 5) Environmental protection.

## How LM vertical grinding mill works?

The motor drives the grinding table through decelerator. The materials fall down the center of grinding table from feed opening. At the same time, hot air comes into the mill from the air inlet. Due to the centrifugal force, materials move to the edge of the grinding table. The materials are pulverized by the roller when pass the groove on the grinding table. The crushed materials are brought up by vane high-speed airstream, the larger particles fall down to the grinding table for regrinding. When the materials in the airstream pass the separator fixed on the top of the grinding mill, the coarse powder fall down the grinding table for regrinding under the function of rotation rotor. The fine powder comes out with the airstream, and is gathered by the dust catcher. The materials content with moisture will be dried when they meet the hot airstream. Through adjusting the temperature of the hot airstream, it can meet different material's requirement, and also through adjusting separator, it can reach proper fineness of materials.