

**Mining mill Plants** of SBM. SBM is a professional manufacturer of crushing equipment, concrete crushing, mining equipment. It is major production include...

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TEL: 0086-21-58383022  
0086-21-58383058  
FAX: 0086-021-58383058  
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## Mining Mill Machine

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## Mining mill and applications - Choose mining mill equipment

### What is the mining ?

Mining is the earth's crust, or surface mining of mineral resources within the technology and science. Mining is the extraction of valuable minerals or other geological materials from the earth, usually from an ore body, vein or (coal) seam. Materials recovered by mining include base metals, precious metals, iron, uranium, coal, diamonds, limestone, oil shale, rock salt and potash. Mining of stone and metal has been done since pre-historic times. Modern mining processes involve prospecting for ore bodies, analysis of the profit potential of a proposed mine, extraction of the desired materials and finally reclamation of the land to prepare it for other uses once the mine is closed.

### The mining mill applications in the mining industry

**Mining mill** also called mining grinding mill which is used widely in mining and grinding industry. Mining mills are mainly applied to the powder processing of mineral products in the industries of metallurgy, construction materials, chemical, and mining, etc. They can produce powder from various non-flammable and non-explosive mineral materials with Mohs hardness below 9 and humidity below 6%, such as quartz, feldspar, calcite, talcum, barite, fluoride, Xircom, cinder, white lime, concrete clinker, activated carbon, dolomite, granite, soft coal, coking coal, lignite, magnesia, chromium oxide green, gold ore, red clay, clay, kaolin, coke, coal Gangue, porcelain clay, kyanite, fluorspar, bentonite, medicinal stone linarite, diabase, pyrophyllite, shale red stone, emeraldite, basalt, gypsum, graphite, carborundum, heat insulating material, etc.

### How to choose mining mill equipments in mining grinding industry

*Mining mills* are an essential part of ore mining equipments including raymond mill, ball mill, vertical roller mill, trapezium grinding mill, coarse powder mill, super thin grinding mill and so on.

*Coarse powder mill* is the ideal equipment to replace raymond mill, ball mill, and other trapezium mill which only process fine power materials. By being a component of closed production lines, it can produce various size products of better effect.

The whole machine of *raymond grinding mill* is collocated with jaw crusher, elevator, hopper, electromagnetic vibrating feeder, main unit, classifier, collector, cloth deduster and high-pressure blower.

Compared with the common raymond mill under the same power conditions, the capacity of the high pressure grinding mill can be increased by 10%; moreover, under the performance of high-pressure springs, the rollers grinding pressure on raw materials can be raised by 800-1200kgf.

*Trapezium grinding mill* is our newly mining machinery including MTM medium speed trapezium grinding mill and MTW series trapezium grinding mill. The mtm series has completely overcome traditional mill's defect in application fields, capacity, fineness, energy consumption, service life, etc. MTW series grinding mill adopts bevel gear integral transmission, inner light-oil lubrication system, arc whirl tube and another proprietary technology.

*Ball mill* is an efficient tool for grinding many materials into fine powder. There are two ways of grinding: the dry process and the wet process. It can be divided into tabular type and flowing type according to different forms of discharging material.

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