

Raymond Grinding Mill for Black Mica



Performance:

Black mica is characteristic of insulation, high temperature resistance, luster, stable physical and chemical properties, good thermal insulation, elasticity and toughness. After black mica is processed, it also has good smoothness and strong adhesion.

Application:

Due to the performances of mica and mica powders, black mica can be applied as chemical raw materials in daily life, raw materials of mica ceramic, paint additives, plastic, rubber additives, building materials, protective layers for electrode coatings, mud additives for drilling, etc.

It is necessary to use grinding mill to deeply process black mica due to its wide application. HC Milling (Guilin Hongcheng), a well-known manufacturer of grinding mill, not only can provide grinding mill for black mica, but also can provide a complete set of production line of black mica powders. In addition, we can conduct the project of engineering procurement construction according to customer requirements and ensure that the customer's production line of black mica can be put into production quickly.

The process of the preparation of black mica

The first stage:

Coarsely crush the black mica

The first process is to crush black mica. After the black mica is selected, it is coarsely crushed into small stones $\leq 30\text{mm}$ which are suitable for the feeding size of grinding mill, and then they are transported to the supply hopper for raw material by a special vehicle.

The second stage:

Feeding

After the black mica is dried, it is lifted by the bucket elevator to the storage hopper. And materials fall from the storage hopper. Then the feeder feeds materials into the main machine evenly.

The third stage:

Grinding

After the qualified black mica powders are classified, they will enter into the collector through the pipeline. And those powders discharged from the powder-discharging tube are called the finished products. However, the unqualified products fall down into the main mill to regrind.

The fourth stage:

The collection of finished product

The qualified powders enter into the collector through the pipeline with wind and then they are separated and collected. The collected calcined coke powders are discharged through the discharge port, and then they are conveyed to the hopper of finished product by the conveyor device. Finally, they are uniformly packed by the powder tank or automatically packaged by the packaging machine.

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Roller number: 3-5

Maximum feeding size: 30mm

Output: 1-25t/h

Fineness of finished product : 0.022-0.18mm

Applicable materials:

It is suitable for the processing of non-metallic minerals such as bauxite, titanium dioxide, ilmenite, phosphate rock, clay, graphite, calcium carbonate, barite, calcite, gypsum, dolomite and potash feldspar, etc. Fineness of finished product can be freely adjusted.

Features:

This kind of grinding mill has effectively improved the capacity per unit of a single machine and reduced the energy consumption per unit. Additionally, it is characteristic of wide application,

easy operation, easy maintenance, stable performance, high efficiency, environmental protection and high price-performance ratio and promising market.

Thanks to its covering of many technological patents, the output of this kind of machine can be increased by more than 40%. And under the same electric power, the cost of power consumption per unit can be saved by more than 30% in contrast with the R-series grinding mill. It is a better choice to process powders with a fineness of 80-600 meshes due to a great improvement in various performances.