Raymond Grinding Mill for Diatomite Powder Making

Diatom is a single-celled algae whose unit is very small. The mineral component of the diatom is mainly opal. And it contains clay (kaolinite and a small amount of smectite), carbon (organic matter) , iron (limonite, hematite, pyrite), carbonate (calcite, dolomite, a small amount of siderite), quartz, muscovite, glauconite, and feldspar. It is characteristic of porosity, low density, large specific surface area, good adsorption, acid resistance, alkali resistance, insulation, etc. The main usage of the diatom is to produce materials, such as filters, insulation materials, functional packing, catalyst carriers, cement mixed materials.

Specializing in manufacturing series of grinding mills, Hongcheng has updated the technology on the basis of the traditional R-series grinding mill and produces a new type of Raymond grinding mill so as to improve the processing efficiency. Compared with the R-series grinding mills, its capacity is 40% higher as well as the cost of unit power consumption is 30% less. What's more important is that improvement has been made in various performances.

HC Pendulum Grinding Mill

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Roller number: 3-5

Maximum feeding size: 30mm

Diameter of grinding ring : 1000-1700mm

Capacity: 1-25t/h

Finished product fineness: 0.022-0.18mm

Application range:

It is widely used in processing fields, such as metallurgy, chemical industry, rubbers, plastics, paintings, building materials, medicines, foods, etc. And thanks to its striking effect of grinding and the excellent technology, it is an ideal device for non-metallic mineral processing.

Applicable materials:

Featuring in high-yield and high-efficiency, it can do a good job in grinding non-metallic minerals with Mohs hardness below 7 and moisture below 6%, such as bauxite, titanium dioxide, ilmenite, phosphorite, syderolife, graphite, calcium carbonate, barite, calcite, gypsum, dolomite, potash feldspar. And the product fineness can be adjusted easily.

Performance advantages:

This grinding mill has effectively improved the unit output of a single device and reduced the energy consumption per unit of output. The market prospect is promising due to its advantages of wide application, simple operation, convenient maintenance, stable performance, high efficiency, environmental protection and high performance-price ratio.