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OPERATING INSTRUCTION

YGM4121

HIGH PRESSURE GRINDING MILL

High Pressure Grinding Mill Of Zenith

Company Instruction

Shanghai Zenith company is an enterprise which is specialized in making and scientific research of grinding mill. Her serial grinding mills keep advantage in the domestic and abroad market. The main product includes R pendulum grinding mill, high pressure grinding mill, high-pressure micro fine grinding mill and super micro fine grinding mill.

Management Idea

Reasonable, considerate, accurate and effective

Quality Policy

High efficiency, accurate making, strict control, pursuing perfection

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Application of the High Pressure Grinding Mill.

The machine is mainly applied to the powder processing of mineral products in the industries of metallurgy, construction materials, chemical, and mining, etc. it can produce powder from various non-flammable and non-explosive mineral materials with Moths hardness below 9.3 and humidity below 6%, such as quartz, feldspar, calcite, talcum, barite, fluoride, Xircom, cinder, white lime, cement 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 liparite, diabase, pyrophyllite, shale red stone, emeraldite, basalt, gypsum, graphite, carborundun, heat insulating material, etc.

Six Key Features of the High Pressure Grinding Mill

Compared with the common YGM4119 Raymond grinding mill under the same power conditions, the capacity can be increased by 10%, under the performance of high-pressure springs, the rollers grinding pressure on raw materials can be raised by 1500kgf.

All the mineral materials with Mohs hardness below 9.3 can be crushed.

The final product size ranges from the maximum particle diameter of 0.95mm (20mesh) to the finest diameter of 0.038mm (400 meshes). A few materials can reach 0.013mm (1000 mesh).

Its dust-removing effect fully meets the national dust discharge standard.

The classifier is easy for adjustment.

The grinding device adopts a superposition multi-grade sealing with good sealing performance.

Specification and Performance

To refer to table 1 and 2

Table 1

Name	Unit	Specification
Quantity of grinding rollers	Piece	5
Grinding roller, diameter X height	mm	Φ 410x210
Grinding ring, diameter X height	mm	Φ 1280x210
Rotation speed of the main frame	rpm	103
Max. Feeding size	mm	30
Product fineness	mm	0.95~0.044 (the finest is up to 0.038)
Capacity	Ton/hour	5~8
Overall dimension: LxwxH	m	7850x8000x9700 or 9200x7250x9700
Total weight	Ton	26.1

Note: this is the standard output in condition of crushing limestone with the product fineness of 0.075 mm (200mesh) and the screen-passing rate of 97%.

