



STRAIGHT CENTRIFUGAL GRINDING MILL

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Introduction

The [Straight Centrifugal Grinding Mill](#) is used to grind the barite, limestone, kaolin, ceramics, and slag, etc, below scale 9.5 of Mohs hardness and 280 odd sorts of non-inflammable and non-explosive stuff in the trades of mining, metallurgical industrial, chemical engineering and building material for high fine powder generation and processing. The product size is adjustable in the range of 0-2.8mm..

Application

The machine is on purpose to grind mining materials in the fields of metallurgy, building materials, chemistry, mining and so on. It can grind the non-flammable and non-explosive mineral materials with the Moh's hardness lower that scale 9.5 such as quartz, feldspar, calcite, talcum, barite, fluorite, rare earths, marble, ceram, bauxite, manganese ore, iron ore, copper ore, phosphate rock, colcothar, zircon, slag, cement clinker, acticarbon, dolomite, beresite, garnet, iron oxid yellow, bean cake, chemical combination, compound fertilizer, fly ash, soft coal, charred coal, lignite, magnesite, chrome green, gold mine, red mud, clay, kaolin, coke, gangue, porcelain clay, cyanite, fluor, bentonite, maifanshi stone, liparite, muddy green rock, pyrophyllite, redware rock, basalt, gypsum, graphite, Carborundum, heat insulator.



Working principle and main structure

The system consists of main unit, blower, cloth dust cleaner and pipes.

The working principle is as follows. The central axle is rotated by motor. The roller suspender is connected with the bottom of the axle. The roller setting is set on the suspender. The roller suspender not only rotates with central axle, but also rotates under the friction of ring. The materials fall down from the hopper on the top of the machine to the clearance between roller and ring. Under the extrusion of the centrifugal force, materials will be crushed to pieces. The crushed materials will discharge naturally from the discharging valve. When the mill is working, blower will attract hot air in the mill and the cold air outside will swarm into because of negative pressure. So the heat coming from the working procedure will be taken away, which will lengthen the lifetime of the bearing and other spare parts. The air taken by the blower is sent into cloth dust cleaner, which will collect the fine powder. The purified air is discharged into the atmosphere.

When the system is working with wet method, blower and dust cleaner are not necessary.

Features and benefits

This machine is made up of feeding part, discharging part, gyre part, transmission part, (decelerator, small transmission gear, generator, electrical control) and so on. The hollow axis adopts the cast steel and the lining can replace , the rotating big gear processes in the way of casting rolling gear. The barrel body is wearable well and bears wearable scaleboard. This machine run steadily and works reliably.

Ball mill is an efficient tool for grinding many materials into fine powder. The Ball Mill is used to grind many kinds of mine and other materials, or to select the mine. It is widely used in building material, chemical industry, etc. 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.

Specification

Type	Feed size(mm)	Product size(mm)	Capacity(t/h)	Power of Main motor(Kw)	Dimension(mm)
ZTM86	< 16	0-2.8	7-11	37	2600×2100×2400
ZTM 125	< 25	0.044-5	15-55	90-110	Φ2300×5600
ZTM 165	< 35	0.044-5	30-120	185-200	Φ3600×8200

Note: This specification is just reference, any changes are subject to products.



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