



High-pressure Suspension Mill

高压悬辊磨粉机

用途及适用范围

高压悬辊磨粉机适用于矿业、建材、化工、冶金等行业,可对石英石、长石、重晶石、萤石、白云石、石榴石、碳化硅、铝钒土、锆英砂、大理石、方解石、铁矿石、磷矿石、煤块、陶瓷、矿渣等莫氏硬度不大于9.3级,湿度在6%以下的400余种非易燃易爆物料进行磨粉加工,成品粒度30-425目之间可以调节。

工作原理

高压悬辊磨粉机工作原理与雷蒙磨粉机相似,但研磨装置安装有1000-1500公斤压力的高压弹簧。当机器工作时,在高压弹簧和离心力的作用下,磨辊紧贴于磨环滚动,其滚动压力比同等条件下的雷蒙磨粉机高1.2倍,产量可提高20%-30%;当磨辊与磨环达到一定磨损后,调整高压弹簧长度,保持磨辊与磨环之间的恒定碾压力,从而保证稳定的产量和细度。

性能特点

1. 独特的设计,与其他磨机相比同等动力条件下产量提高20-30%,磨辊对物料的碾压力在高压弹簧的作用下提高800-1200KG。
2. 成品粒度范围广,粒径最粗可达0.95毫米(20目)。细粉粒径一般可达0.033毫米(425目)。少部分物料最细可达到0.013毫米(1000目)。
3. 除尘效果完全达到国家粉尘排放标准。
4. 分析机调整方便。
5. 磨辊装置采用重叠式多级密封,密封性能好。



Usage and Application

The High-pressure Suspension Mill is used to grind materials in the fields of construction, mining, metallurgy and chemical industry. The materials should be non-flammable and non-explosive. Examples of the materials are: quartz, feldspar, barite, fluorite, dolomite, garnet, carborundum, bauxite, zircon, marble, calcite, iron ore, rock phosphate, coal, ceram, slag and so on (400 kinds of materials). The materials should have the hardness less than 9.3 in Moh's scale and humidity less than 6 percent. The granularity of the end products can be changed from 30 to 425 meshes.



Working Principle

It has the same working principle as Raymond Mill, but its grinding device is fixed with 1000 - 1500 kg pressure springs. When the machine works, the grinding roller, under the action of high pressure spring and centrifugal force, rolls close up to grinding ring, its rolling pressure is 1.2 times higher than that of Raymond mill given an identical condition and its output may increase 20% to 30%; When the grinding roller and grinding ring reach a certain degree of abrasion by adjusting the length of high-pressure springs to keep the constant grinding pressure between grinding roller and grinding ring, stable output and fineness are guaranteed.



Feature

1. Unique design, compared to other mills with the same power, the capacity of this mill is increased by 20-30%, under the action of the high pressure spring the grinding power is enhanced by 800-1200KG.
2. It has a wide range of adjustable output size, the biggest particle size can be 0.95mm (20 mesh), while the finest size can be 0.033mm (425 mesh), a small amount of the fine product can even be 0.013mm (1000 mesh).
3. Dust cleaning can fully meet national standards.
4. Easy adjusting of the classifier.
5. Grinding roller device is of overlap multilevel seal, which has good sealing performance.

主要技术参数 / Main Specifications

项目 Item 型号 Model	磨辊 Grinding Roller			磨环 Grinding Ring		进料 粒度 Feeding Size (mm)	成品 粒度 Output size (mm)	产量 Capacity (t/h)	电 机 功 率 Motor Power (kw)	外 形 尺 寸 Overall Dimension (mm)
	数量 Numbers (pcs)	直径 Diameter (mm)	高度 Height (mm)	外径 Outside Diameter (mm)	高度 Height (mm)					
YGM65	3	210	150	726	150	<15	0.613-0.033	0.3-2.0	28.2	4480×3100×3970
YGM75	3	260	150	865	150	<15	0.613-0.033	0.4-3.1	35.7	5000×4100×4850
YGM85	3	270	140	907	140	<20	0.613-0.033	0.5-4.0	42.7	5150×5000×5200
YGM95	4	310	170	1050	170	<25	0.613-0.033	1.1-5.6	72.5	7550×7400×8100
YGM130	5	410	210	1400	210	<30	0.613-0.033	2.2-9.5	157.5	8510×8000×9645
YGM160	6	440	270	1740	270	<35	0.613-0.033	8-22	253	12550×5700×8355

注：技术数据如有变动，恕不另行通知。

Note: Any Change of technical data shall not be advised additionally.



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