

Raymond Mill



Raymond Mill is used to grind barite, calcite, potash feldspar, talcum, marble, limestone, ceram and slag below scale 7 of Moths hardness and 280-odd sorts of non-inflammable and non-explosive stuff in the traded of mining, building material, chemical engineering and metallurgy for power generation and processing. The product size is adjustable on required in the range of 100-325 meshes.



■ Structure of Raymond Mill

- The whole plant is a vertical structure of strong systematic characteristic, so it occupies small area. From crushing of raw material to grinding and packing is an independent production system.
- Compared with other milling plants, its passing ratio achieves 99%, this is what other mill can not reach.
- Driving system of main frame adopts airtight gearing and pulley, drives smoothly and operates Main parts of the whole plant are made from cast and steel of high quality. The technics is so subtly that insures the durability of whole plant.
- The electric control system is centralized controlled, so the automaticity is high, no people are needed in the operating room.





Firstly, raw material should be crushed by the jaw crusher to the size specified, then the crushed stuff is elevated into a reserve-bucket from which the stuff is loaded, through the electro-magnetic vibrating feeder, evenly and continuously into the grinding chamber for powder-processing. After this, the ground stuff are carried by the blower into the separator for screening. The fine powders are blew into the separator for screening. The fine powders are blew into the cyclone collector and poured out through the output-powder pipe as the final products and rough stuff after the screening will be recycled back into the grinding chamber for regrinding. The set's airflow system is closely sealed up and circulated under the condition of negative and positive pressure.

Because the stuff may contain some moisture, and the heat generated during the grinding process makes the moisture evaporated, what's more, the pipeline joints are not airtight and therefore the external air is sucked in, all these will increase air-current in circulation and disturb the circulation balance. To keep the air current balance in circulation can be realized by adjusting the pipeline of extra air-current between the blower and the grinder main frame. In this way, the extra air-current is channeled into a minor cyclone-collector which will collect powder carried by the extra air-current and then get rid of the extra air-current through the up-end of the pipeline into the dustpan, and sequentially after purification back to the atmosphere.

- Prior to installation of the equipment, all the people who will be assigned to operate the equipment have to be technically trained to know the principle and rules of operation. Someone should be specially selected and put in charge of the operation.
- To ensure normal operation of the equipment, a manual containing strict rules and procedures for its operation, maintenance and repair should be well prepared and followed. Tools, replacement parts for maintaining, repairing and lubricating oil and grease must be available for immediate use.





Model		3R2115	3R2615	3R2715	3R3016	4R3216	
Roller	Number	3	3	3	3	4	
	Diameter (mm)	210	260	270	300	320	
	Height (mm)	150	150	150	160	160	
Ring	Inside diameter (mm)	630	780	830	880	970	
	Height (mm)	150	150	150	160	160	
Maximum feed size (mm)		15	15-20	15-20	15-20	20-25	
Output size (mm)		0.044-0.165	0.044-0.165	0.044-0.165	0.044-0.165	0.044-0.165	
Power of main frame (kW)		15	18.5	22	30	37	
Fineness of final product (mm)	0.165	capacity (t/h)	1.2-1.8	1.8-2.5	2.3-2.8	2.6-3.2	3.2-4.5
	0.075		0.6-1.2	1.2-1.8	1.8-2.3	1.9-2.6	2.4-3.1
	0.044		0.6-1.0	0.8-1.2	0.9-1.7	1-1.9	1.8-2.5

Note: We hold the rights to modify the design and specification of our products, any modification shall not be advised additionally.



Screening & Washing

Sand Washing Machine
Circular Vibrating Screen

Feeding & Conveying

Belt Conveyor
Vibrating Feeder

Crushing

Jaw Crusher
Impact Crusher
Hammer Crusher
Spring Cone Crusher
Hydraulic Cone Crusher
VSI Sand Making Machine
PCL Sand Making Machine
European Type Jaw Crusher
PYS Symons Cone Crusher
Mobile Crushing & Screening Plant

Grinding Plant

Ball Mill
Raymond Mill
High Pressure Suspension Mill
MSB series Coarse Powder Mill
Super Pressure Trapezium Grinding Mill
HGM Three-Rings & Medium-Speed MicroPowder Mill

New Production Technics

Grinding Production Line
Sand Making & Washing Plants
Stone Crushing & Screening Plants
Manufactured Sand Processing Chart
Construction Waste Crushing Technics
Basalt Aggregate for Express Highway Processing Technics

Pious / Elaborate / Rigorous / Harmonious

- **20 Years Experience**
- **High quality products**
- **Professional Liming Teams**
- **High reputation**
- **Competitive price**
- **King-like customer service**

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