



Raymond Mill

CRUSHING | GRINDING | QUARRY PLANT | SCREENING | WASHERS | FEEDING | CONVEYOR
Shanghai Joyal Mining Machinery Co., Ltd.

 **JOYAL**



RAYMOND MILL

Raymond mill is a traditional mill type, which is to grind non-flammable and non-explosive materials in the fields of building materials, mining, metallurgy and chemical industry with hardness less than 7 in Moh's scale and humidity less than 6 percent, such as: limestone, calcite, barite, dolomite, marble, talcum, gypsum, kaoline, iron ore, glass, fireproof materials, heat preservation materials, chemical materials and so on(about 300 kinds of material). The granularity of the end products can be adjusted from 30 to 325 meshes.





Features

Raymond Mill

improves the adjusting device, the operation becomes more convenient.

1. The equipment's structure is tight, from crushing to grinding and packing all together forms an independent production system, it has advantages of covering small area, operating simple, saving work force.

2. The final product has high passing screen ratio, which can achieve 99%.

3. Driving system of main frame adopts airtight gearing and pulley, which secures reliable operation.

4. Main parts of the grinding plant are made from cast and high quality steel, which ensures the durability of whole plant.

5. With application of centralized controlling electric control system, no operator is in the operating room.

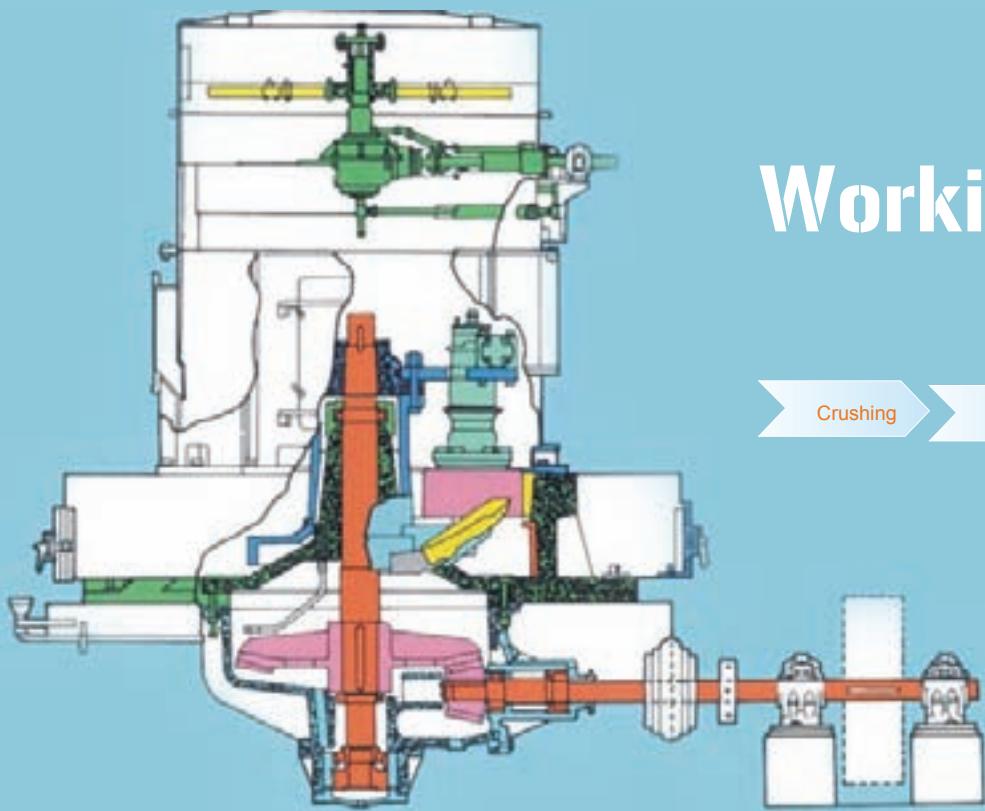




GLOBAL MARKET LEADER IN CRUSHING AND GRINDING TECHNOLOGY

– JOYAL Mining





Working Principle RAYMOND MILL

Crushing

Grinding

Selecting

Collecting

Firstly, raw material is crushed by jaw crusher to the size required, then the crushed materials are elevated into a hopper from which the material is transported through the electro-magnetic vibrating feeder, evenly and continuously into the grinding chamber for powder-processing. The rollers oscillate outward to press the ring because of the centrifugal force and the shovel scoops up the materials, send to the middle between ring and roller to accomplish the grind.

RAYMOND MILL

Our company specializes in producing medium and large Raymond mill, with 22 years manufacturing experience in powder milling field, we have been a leading grinding mill manufacturer and supplier in China.



After this, the ground stuff are carried by the air from the blower into the separator for screening. The fine powers are blow into the cyclone collector and are poured out through the output-powder valve as the final products and the rough stuff after the screening will be recycled back into the grinding chamber for regrounding. The set's airflow system is closely sealed up and circulated under condition of negative and positive pressure.

TECHNICAL DATA

Model	Grinding Roller			Grinding Ring		Feeding Size (mm)	Output Size (mm)	Capacity (t/h)	Motor Power (kw)	Overall Dimension (mm)
	NO. (pcs)	Diameter (mm)	Height (mm)	Outside Diameter (mm)	Height (mm)					
3R1410	3	140	100	495	100	<8	0.613-0.044	0.15-1.2	14.1	3340×2200×3200
3R2115	3	210	150	726	150	<15	0.613-0.044	0.28-1.8	28.2	4480×3100×3970
3R2615	3	260	150	865	150	<15	0.613-0.044	0.35-2.8	35.7	5000×4100×4850
3R2715	3	270	150	884	150	<15	0.613-0.044	0.40-3.4	42.7	5050×4150×4900
4R3016	4	300	160	990	160	<20	0.613-0.044	0.6-4.5	55	5250×5000×5500
4R3216	4	320	160	1073	160	<25	0.613-0.044	1.0-5.2	72.5	7700×7200×8800

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



CUSTOMER CASE

GRINDING MILL



Grinding is the required process when size reduction of below 5-20 mm is needed. Grinding is a powdering or pulverizing process. Joyal supplies the right grinding solution to the clients every method and application.

The purpose of the raymond mill is to grind materials in the fields of building materials, mining, metallurgy and chemical industry. The materials must be non-flammable and non-explosive materials such as: limestone, calcite, barite, dolomite, potassium feldspar, marble, talcum, gypsum, kaoline, medical stone, rock phosphate, manganese ore, iron ore, glass, ceram, active carbon, carbon black, fireproof materials, heat preservation materials, chemical materials and so on(300 kinds of materials).

CUSTOMER CASE



Add: No.3389, East Huaxia Road, Pudong New Area, Shanghai, China.
Email: joyal@crusherinc.com
Tel: 0086-21-68763311 0086-21-68763366
<http://www.joyalcrusher.com>