

Raymond Mill

After many years of practice and improvement, [Raymond mill](#)'s structure is getting perfect day by day, For low consumption, low investment, environment friendly , small occupation area, and more efficient than the traditional mill, it is widely used in the field of metallurgy, building materials, chemical industry and mining to process powder. The series is used in grinding the non-flammable and non-explosive stuff which has the Moh's hardness below 7, humidity less than 6%, such as gypsum, talc, calcite, limestone, marble, feldspar, barite, dolomite, granite, kaolin, bentonite, bauxite, iron ore etc., the final products change from 613 micron to 44 micron.



Advantage:

1. The concrete base weight required is only 3 times of that of other similar machines thus the construction expenses is greatly reduced.
2. Small vibration while using and doesn't need shock-absorbing device.
3. Large load adjustment scope, so it can run under various environments.
4. Can bear very strong explosion pressure.
5. The grinding roller adopts new material and new craft, which ensures long service life and low maintenance cost.
6. There is gap between the grinding parts; it can start with load or offload.

Working Principle:

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.

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 regrinding. The set's airflow system is closely sealed up and circulated under condition of negative and positive pressure.

Technical Data:

Type	Roller			Ring		Max.Feeding size (mm)	Fineness of product (mm)	power for Machine (kw)
	NO	dimension (mm)	height (mm)	Inner Diameter (mm)	HEIGHT (mm)			
3R2115	3	210	150	630	150	15	0.44-0.165	15
3R2615	3	260	150	780	150	15-20	0.44-0.165	18.5
3R2715	3	270	140	830	140	15-20	0.44-0.165	22
3R3016	3	300	160	880	160	15-20	0.44-0.165	30
4R3216	4	320	160	970	160	20-25	0.44-0.165	37

Note: This specification is just for reference, any changes are subject to the Raymond Mill products.

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