



# RAYMOND MILL

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## Application

**Raymond Mill** powder machine applies to mining, building materials, chemical, and metallurgical industries, the limestone, calcite, barite, dolomite, K-feldspar marble, talc, gypsum, kaolin, bentonite, phosphate rock, Manganese ore, iron ore...

**Raymond grinder** also called raymond mill, manufactured by Shanghai Shibang Mahinery Co., Ltd., is effective closed-circuit high fineness powder manufacturing equipment applied in small and medium mining, silicate and chemical, building-material, metallurgy, refractory material, pharmaceuticals and lime industry. Belt conveyor widely used in departments of mining area, metallurgy, coal, etc. to convey loose materials or articles as well as assembly, package and convey in the production areas for departments of light industry, electron, home appliance, food, tobacco, etc.

## Structural characteristics

The whole grinding mill is of a standing structure. Raymond mill features small occupying space and strong integration capacity. Raymond mill can form an independent production system from the lump materials , crushing to finished powder and packaging.

All the finished particles have a good uniformity of fineness, with passing screen rate as high as 98%. This is what other machine cannot reach.

The machine adopts electromagnetic vibrating feeder, which ensures even and regular feeding. Raymond mill is easy to adjust, small in dimension, light in weight, with lower oil and power consumption and easy to maintain.

The transmission device of the main unit is equipped with a close gearbox which ensures its smooth transmission and reliable operation. Attendance of operater is not necessary in the mill operating room because the adoption of advanced central control console switch.

## Features and benefits

It is a new style powder grinding machine, which is more advanced than ball grinder and much appreciated in many fields due to its domestic leading level in each technical specification. This product adopts advanced structure of similar products from abroad, and is updated and designed based on large Raymond grinder. Under centrifugal force, grinding roller rolles closely on grinding ring,



which shall not affect yield and fineness of ground powder in the case that grinding roller and ring are worn to a certain degree. Grinding roller and Grinding ring enjoy a long update cycle, which eliminates disadvantage of short update cycle for easily damaged parts on centrifugal crusher. In this grinder, pneumatic

flow goes circularly through fan--grinding enclosure--cyclone separator—fan. Therefore, dust in this machine is less than that in high speed centrifugal grinder, and operation workshop is relatively clean without environmental contamination.

. With a small floor area and good entirety, Raymond mill can operate independently and automatically from piece crushing to product packaging.

2. Powder ground by **Raymond grinder** can be screened at a rate of above 99%, which other grinders are unable to achieve.

3. Electromagnetic-vibrating feeder is easily regulated, small in volume and light in weight. It saves oil and electricity, and enjoys convenient maintenance. The adoption of it shall ensure the uniformity of feeding. 4. Electricity is central controlled without manual operation in host machine room.

5. Host machine driving unit adopts closed reduction box, which achieves stable transmission and reliable rotation without leakage of oil. 6. Shovel tool rest for host machine keeps in touch with materiel while rotating. It is composed of two parts, of which bracket may be changed after abrasion through dismantling bolts connected.

### Specification

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 reference, any changes are subject to products.



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