

High Pressure Raymond Mill

High Pressure Raymond Mill is suitable for grinding the barite, kaolinite, ceram and slags, etc. which below scale 9.3 of Mohs hardness and 280-odd sorts of non-inflammable and non-explosive stuff in the trades of mining, metallurgy, chemical engineering, building material for high fine powder generating and processing. Product size is adjustable in the range of 80-425 mesh. It is able to produce 30-80 mesh coarse powder through special device in the machine.



In the main frame, a 100-1500 kg powered pressure spring is used as a roller suspender. After the grinder is put into effect, the roller rotates around the main shaft, and rolls closely against the ring affected by the high pressure spring and centrifugal force. And its rolling pressure is several times higher than that of the Raymond grinder under the same condition and the output is raised to a new degree. When the material is loaded into the grinding cavity, it is shoved into the space between the roller and the ring for grinding. The resulted powder is routed

separator along the circulation wind of the blower and the stone powder is guided to the cyclone collector as final product and the heavy stuff falls back to the grinder for regrinding. The circulation wind goes to the blower to repeat the above process and the remainder goes into bag deduster for purification.

When a certain degree of wear of roller and ring is caused, it is recommended to adjust the length of the spring to maintain the normal pressure between the roller and the ring. As a result, the stone size and fineness are ensured.

High Pressure Raymond Mill Specification:

Code No.	Roller			Ring		Feeding size (mm)	Fineness Product (mm)
	Number	Diameter (mm)	Height	Inside Diameter (mm)	Height (mm)		
YGM65	3	210	150	260	150	<15	0.613-0.075
YGM75	3	260	150	780	150	<15	0.613-0.075
YGM85	3	270	140	830	140	<20	0.613-0.075
YGM85B	3	270	150	830	150	<20	0.613-0.075
YGM95	4	310	170	950	170	<25	0.613-0.075
YGM130	5	410	210	1280	210	<30	0.613-0.075