



High Pressure Medium Speed Grinder

High Pressure Medium Speed Grinder is designed by our institute through many year ' hard work and study of powder processing machinery, which creates a new era of high-efficiency and low-consumption grinding mill. This machine is suitable for producing minerals powder, which is widely used in the fields of mining, metallurgy, chemical, construction and mining industry. It can be used for grinding barite, limestone, porcelain, slag and other materials that Moh's hardness is below 9.3, humidity is in 6%, and non-flammable non-explosive minerals. The final product size can be adjusted as required in the range of 30~425 meshes. And the special coarse powder device (30-80mesh) is also available.

Working Principle of High Pressure Medium Speed Grinder:

The grinding Process of the Main Mill is that the transmission device brings along the Central Shaft to drive. The upper part of the shaft connects with the Quincunx Rack, on the frame is loaded with the roller assembly, and forms a swinging pivot. The central shaft does revolve around the central rotation, at the same time it revolves around the grinding rings, and it self also rotates on account of the grinding effect. The shovel system, in the lower part of rollers, is loaded on the lower part of the Quincunx Rack. In the process of rotating of the shovel and the roller, the material will be fed gasket layer between the rollers and ring. The outside centrifugal force (compression force) yielding in this process will process the material into small powder, thus the desired powder is obtained.

Note :
Due to keeping innovation,
the specification and
Machine pictures or color

Blade analyzer is adopted to analysis the powder of 0-400mesh effectively.

High quality speed regulating motor is adopted to adjust the rotation speed of analyzer, and the output size also can be adjusted accordingly. The variable frequency motor also can be used.

Oil scale outside the shell can indicate the exact oil level in oil pool.

Comparing with the Raymond mill, this grinder is assembled with pressurized spring to improve the mill efficiency.

Operation of the mill can be observed through the observation door at any time.

Grinding roller and ring are made of high quality hard alloy and is wear resisting. Customers also can choose other high abrasive materials, such as 65Mn, Mn13Cr2 Cr and chromium cast steel, according to the actual material.

Closed gearbox or belt wheel are used as the transmission device of main unit, stable in transmission and reliable in operation.

Motors are all famous brand; customers can also specify other brands, such as Siemens.

Specification and Technical Parameter

Model	No. of Roller (Pcs)	Roller Diameter × Height (mm)	Ring Diameter × Height (mm)	Max. Feeding Size (mm)	The Final Size (mm)	Capacity (t)	Speed of Main Mill (t/min)	Mainframe Power (kw)	Dimension (L×W×H)(mm)
YGM65	3	210×150	650×150	<15	0.613-0.033	0.4-1.8	160	15	4100×3300×4500
YGM75	3	260×150	780×150	<15	0.613-0.033	1-3	160	18.5	4300×3500×5100
YGM85	3	270×140	830×140	<20	0.613-0.033	1.2-4.6	150	22	5300×4100×5200
YGM85B	3	270×150	830×150	<20	0.613-0.033	1.2-4.6	167	22	5600×3400×4900
YGM95	4	310×170	950×170	<25	0.613-0.033	2.1-5.6	130	37	7100×5900×7900
YGM130	5	410×210	1280×210	<30	0.613-0.033	3-9.5	103	75	7850×8000×9700
YGM160	6	440×270	1600×270	<35	1.6-0.045	5-22	82	132	12550×5700×8300
YGM190	7	460×280	1900×280	<35	1.6-0.045	8-35	66	185	11470×6940×9580

Note :

Due to keeping innovation, the specification and Machine pictures or color are subject to alteration without notice!

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