

▶ MTM Raymond Mill

Principle

Large bulk materials crushed by jaw crusher to the needed size are fed into storage hopper by mine hoist and then fed into grinding chamber of main engine uniformly, quantitatively and continuously by electromagnetic vibrating feeder for grinding. Grinded materials are blown into separator by blower for classification. With the function of impellers in the separator, materials without meeting the requirements of the fineness are fallen into grinding chamber for grinding again; materials meeting the requirements of the fineness are blown into cyclone powder collector with airflow through pipelines for separation and collection. Powder from discharging device is the finished product. Separated airflow is back to blower through return duct on the top of the cyclone powder collector.



Features

Force produced from milling roller connected by pull rod and high pressure spring can avoid damages caused by bulk materials to the equipment. Resilient coupling between main engine and the separator can reduce vibration and noise and improve service life of the equipment.

Because of connecting crushing, drying, grinding, classifying and transmission together with simple system and compact layout, it covers about 50% of the area of the ball mill system and can be outdoor arrangement, which can reduce the investment cost a lot.

Milling roller devices adopt superimposed multistage seal with excellent seal performance.

Unique air circulation system with advanced dust remover carries the environmental protection concept through to the end.

Impeller devices with high density and high precision increase more than 50% of finished product yield under the same power. Efficient and energy-saving centrifugal induced draft fans improve the efficiency of induced draft fans greatly. Convenient impeller adjusting devices improve the precision of the finished product.

Application

Feed Size: 25-35mm. Production Capacity: 3-22T/h. Mainly used for powder processing of materials in such industries as construction, chemical, metallurgy, mine, thermal power and coal. All kinds of non-flammable and non-explosive materials with the Mohs hardness of no more than 9.3 and humidity of below 6%, such as cement (raw materials and clinker), coal, talc, feldspar, quartz, slag, mica, calcite, limestone, barite, potassium sulfate, and bentonite.

Technical Parameters

Model	Max. Feed Size (mm)	Finished Product Size (mm)	Production Capacity(t/h)	Rotating Speed of Main Motor (r/min)	Main Motor Power (kw)	Milling Ring Diameter (mm)	Milling Ring Height (mm)	Milling Roller Diameter (mm)	Milling Roller Height (mm)	Milling Roller Qty.	Overall Dimension(m)
MTM75	<15	0.613-0.033	1-3	160	18.5	Inner Diameter 780	150	260	150	3	4.3×3.5×5.1
MTM85	<20	0.613-0.033	1.2-4.6	150	22	Inner Diameter 830	140	270	140	3	5.3×4.1×5.2
MTM100	<25	0.613-0.033	2.1-5.6	130	37	Inner Diameter 950	170	310	170	4	7.1×5.9×7.9
MTM130	<30	0.613-0.033	3-9.5	103	75	Inner Diameter 1280	210	410	210	5	7.85×8×9.7
MTM160	<35	1.6-0.045	5-22	82	132	Inner Diameter 1600	270	440	270	6	12.55×5.7×8.3