



MTM Medium Speed Trapezium Mill



What we do today is to ensure the future of our
group with youth and spirit forever and ever.

- SBM

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MTM Medium Speed Trapezium Mill Overview



MTM Medium Speed Trapezium Mill adopts numbers of national patents, such as trapezium working surface, flexible connection, roll linked pressure boosts etc. It has completely overcome defects of traditional mill in amplification fields, capacity, fineness, energy consumption and service life etc.

Applications

MTM Medium Speed Trapezium Mill is mainly applied to the powder processing of mineral products in industries of metallurgy, construction, chemistry, and mining etc. It can produce powder from non-flammable and non-explosive mineral materials with Mohs hardness below 9.3 and

humidity below 6%, such as barite, limestone, quartz, calcite, granite, porcelain clay, basalt, gypsum etc. The final size is between 30—400 mesh. Fully considered the needs of desulfurization, MTM Medium Speed Trapezium Mill could perfectly work with desulfurization equipments to increase the efficiency of desulfurization. So it is the best choice of desulfurization.

Main Features and Benefits

1. The trapezium shaped roller and ring highly improved the crushing efficiency.
2. The pressure springs work the function of balance and pressurize. Elastic connection can reduce vibration and keep balance when the equipment works.
3. The powder classifier adopts high density impeller which can increase powder precision and capacity.
4. Adopting high-efficiency and energy-saving blower.
5. Using convenient impeller adjusting device.



World-class design



World-class craftsmanship and materials

Technical Data

Model	MTM100	MTM130	MTM160	MTM190
Number of Roller(psc)	4	5	6	6
Major Diameter of Roller* Height (mm)	Φ320x200	Φ400x240	Φ440x270	Φ540x280
Inner Diameter of Roller* Height (mm)	Φ980x200	Φ1320x240	Φ1600x270	Φ1900x280
Rev. of Main Fram(r/min)	130	98	82	66
Max. Feed Size(mm)	25	30	35	40
Finished Size (mm)	1.6~0.045 fineness can reach to 0.038			
Capacity (t/h)	3~8.8	6~13	13~22	18~35
Overall Dimension(mm)	9910×5365×8310	7910×7000×9645	12550×5700×8355	16000×9400×9300
Weight (t)	16	26.1	38	56.8

Note: This specification is just reference, any changes are subject to the MTM Medium Speed Trapezium Mill products

How MTM Medium Speed Trapezium Mill works



The motor drives the grinding table through decelerator. The materials fall down the center of grinding table from feed opening. At the same time, hot air comes into the mill from the air inlet. Due to the centrifugal force, materials move to the edge of the grinding table. The materials are pulverized by the roller when by pass of the groove on the grinding table. The crushed materials are brought up by vane high-speed airstream, the larger particles fall down to the grinding table for regrinding. When the materials in the airstream pass the separator on the top of the mill, the coarse powder fall down the grinding table for regrinding under the function of rotation rotor. The fine powder comes out with the airstream, and is gathered by the dust catcher. The materials content with moisture will be dried when they meet the hot airstream. Through adjusting the temperature of the hot airstream, it can meet different material's requirement, and also through adjusting separator, it can reach proper fineness of materials.

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