

MTM Medium Speed grinding mill

MTM trapezium grinding mill brief introduction:

SBM MTM Medium Speed Trapezium Mill is new grinding mill designed by our experts with great concentration on the basis of experience of long term study of grinding mill and high pressure suspension grinding mill according to operating requirements and suggestions of various users both at home and abroad.

This grinding mill adopts the five patent techniques such as trapezium working surface, flexible connection, and interlocked grinding roller turbo etc. It has overcome the traditional mills defect completely in application, capacity, fineness, energy consumption, service life, etc.

MTM trapezium grinding mill is suitable for:

SBM MTM trapezium grinding mill is the ideal substitute of the traditional grinding mill, such as Raymond mill, high pressure suspension mill, ball mill, etc.

MTM grinding mill widely used in metallurgy industry, electric power industrial, chemical fertilizer, building, steel industry, coal industry, mining and construction, nonmetal, abrasive, bearing materials, ceramic, thermal power, bricks & tiles, etc. And it has brought large economic benefits to our customers and the society.

MTM grinding mill is widely used to grind these materials which are 9 or less on the Meshes scale, and moisture is below 6%, and they should be non-explosive and non-flammable mining materials. The final size can be adjusted from 30 to 400 meshes easily. ,such as cement (raw meal and cement clinker), quartz, feldspar, calcite, gypsum, limestone, dolomite, graphite, fluorite, aedelforsite, phosphate ore, fused calcium-magnesium phosphate, car amide, electrolytic manganese metal, ferromanganese, coal, gangue, slag, zirconium, steatite, granite, orthoclase, marble, barites, ceramics, glass, etc.

MTM trapezium grinding mill features and benefits:

- 1) The ladder-shaped rollers and rings improve crushing efficiency greatly. The rollers and ring are designed in the main machine of an inverted trapezium, which control the material's slip velocity between rollers and rings. They can extend the grinding time, and enhance the crushing effect.
- 2) The press springs with balancing and pressurized function and the forming resilient connection with steady and vibration reducing function are invented into our machines.
- 3) The powder classifier adopts high density impeller, which can increase precision of powder and capacity.
- 4) There is high-efficiency and energy-saving blower installed on our machine. The efficiency of prismatic blade equipped on the traditional machine is only 62%, but the efficiency of the energy saving blower, whose impeller and blade are both stamping, is 85%.
- 5) There is convenient impeller adjusting device. The clearance between housing and ending of powder classifier's blade also effects fineness. Our mill is convenient to adjust the fineness.

MTM Medium Speed Trapezium Mill has lots of matchless advantages, and it adopts the

latest national mill patents. It has features as follows: new designing, reasonable structure, smaller size, lower energy consumption, longer service life, and less consumption of wearing parts, higher performance cost ratio, etc. All its technical performance has reached leading and international level. Compared with Raymond mill, ball mill, and high pressure suspension mill, etc, it has these five technical advantages: 1. Effective grinding effect. 2. Outstanding spring structure. 3. High capacity. 4. Low energy consumption. 5. Convenient to adjust the fineness.

How MTM trapezium grinding mill works?

In the grinding mill, air is driven into the undersurface of the grinding ring and flows upward, carrying fines to the classifying section. The classifier allowed the pulverized material to pass and the oversized particles are drove back to the grinding chamber for further processing. The whole mill operates under negative pressure conditions, which can maximize the service life of major mechanical components. Thus minimizing mill maintenance and plant housekeeping problems have been solved.

MTM trapezium grinding mill main construction:

The whole set of MTM medium speed trapezium mill consists of main mill, powder classifier, speed reducer, blower, jaw crusher, bucket elevator, vibrating feeder, storage bin, bag filter, pipe and fitting, cyclone powder collector, electric control cabinet, electric motor, etc.

MTM trapezium grinding mill common problems:

When construct factory, make sure that the host machine can hang lift tools for repairing with a weight of 1.5 to 2 tons.

Host machine and air blast shall be put horizontally on base of reinforced concrete. For cyclone dust accumulator and cyclone dust collector, we can dig pit to pour concrete under their supporter after installed them.

When install, add sealing plate between flanges of all connecting pipes. Make sure that there is no air leak.