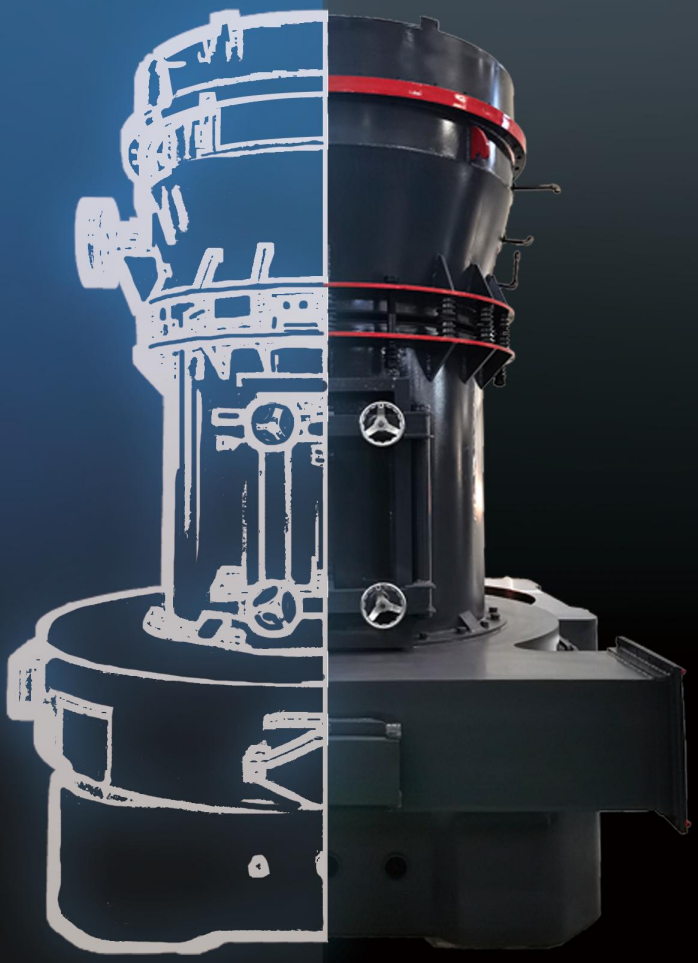
DING BO

MTM
Trapezium Grinding Mill

Capacity:3-45t/h
Max. Input Size: 50mm



Craftsmanship
Shape the reputation of trust

Features

More Compact Structure

The structure is more compact, occupying smaller floor area to reduce project investments.

Eco-friendly Production

MTW Mill is equipped with a professional dust remover, so the operation is quite friendly to the surrounding environment.

Longer Service Life

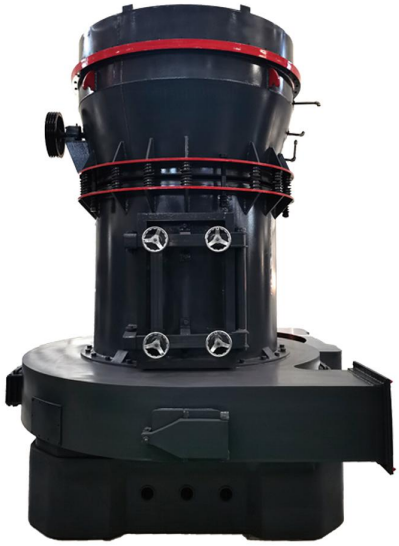
Grinding rollers and rings are made of wear-resistant alloy. Their service life is expected to be 1.7-2.5 times longer than traditional ones.

Special Design

Compared with traditional straight air ducts, the inlet of this air duct is smooth with little resistance and the outlet is easy for the dispersing of materials.

Sufficient Supply of Spare Parts, Worry-free Operation

Dingbo is the manufacturer, we take responsibility for every machine produced by ourselves. We can offer customers technical services about products and original spare parts to ensure the worry-free operation.



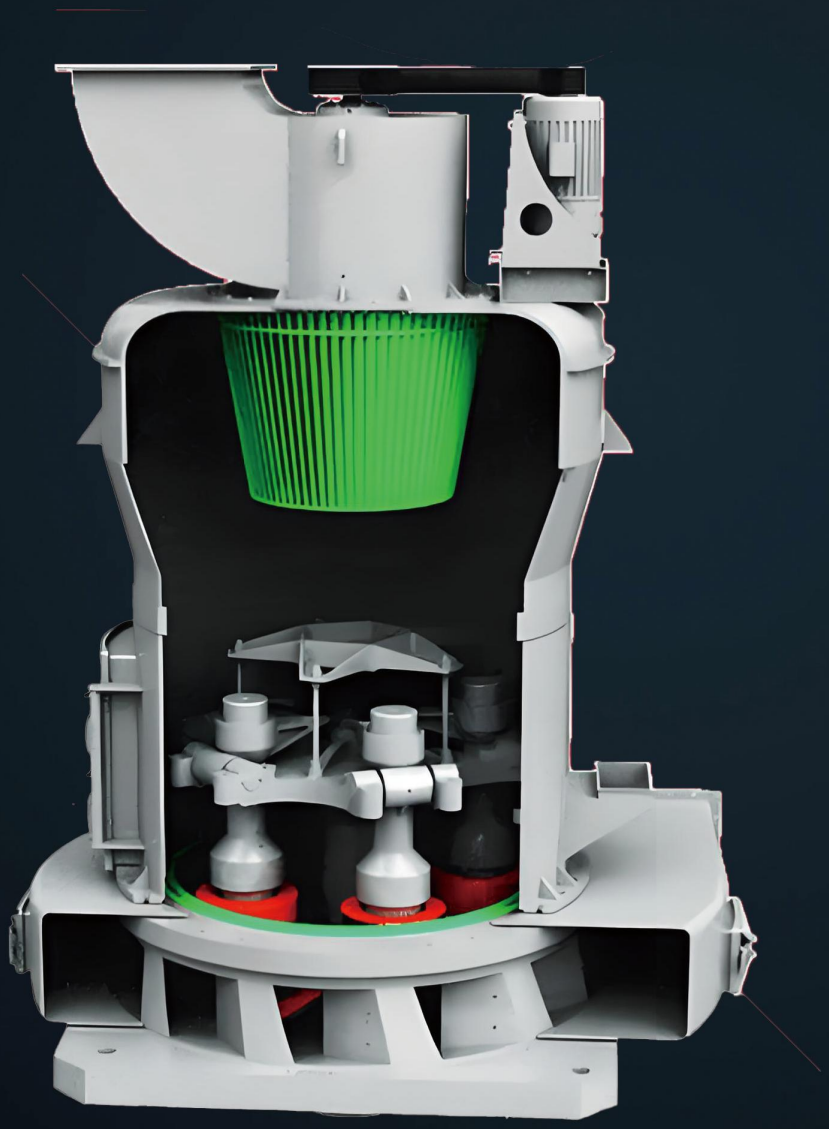
Application

This mill is mainly applied to the material processing of metallurgy, building materials, chemical engineering, mining and other industries.

Material

It can grind limestone, calcite, marble, talcum, dolomite, bauxite, barite, petroleum coke, quartz, iron ore, phosphate rock, gypsum, graphite and other non-inflammable and non-explosive mineral materials with Moh’ s hardness below 9 and humidity lower than 6%.

MTM Euro-type Trapezium Mill owns many independent patents, such as overall prick gear drive, internal thin oil lubrication system, arc-shaped air duct.



Technical Parameters

Model	MTM100	MTM130	MTM160
Roller piece	4	5	6
Roller Diameter×Height(mm)	Φ320×200	Φ410×240	Φ440×270
Ring Inner Diameter×Height(mm)	Φ980×200	Φ1280×240	Φ1600×270
Speed Of Main frame (r/min)	130	103	82
Max. Input Size (mm)	< 25	< 30	< 35
Product Size (mm)	1.6 ~ 0.045 fineness can reach to 0.038	1.6 ~ 0.045 fineness can reach to 0.038	1.6 ~ 0.045 fineness can reach to 0.038
Capacity (t/h)	3 ~ 8	6 ~ 15	9 ~ 22
Overall Dimension (mm)	9910 × 5365 × 8310	7910 × 7000 × 9645	95500 × 8500 × 83500
Weight (t)	16	26.1	35

Notice: **Any change of technical data shall not be advised additionally.**

WORKING PRINCIPLE

After jaw crushers break large bulky materials to smaller ones, elevators work to send materials to the hopper. Then, by electromagnetic vibrating feeders, broken materials are evenly and quantitatively sent to the grinding chamber of MTM Medium-speed Grinding Mill. After grinding, materials are blown away by airflow to the powder concentrator for classifying. Under the action of the impeller of powder selector, materials which fail to meet fineness would be sent back to grinding chamber to get another grinding while qualified powders would be collected by cyclone powder collector and discharged from the bottom as finished products. And, after that, the airflow would go into the fan along with the air return duct at the top of cyclone power collector. This system adopts a closed circuit and runs under positive and negative pressure. Because materials have a certain content of moisture, heat generated during grinding may lead air evaporation or swell in the grinding chamber so that the amount of airflow increases sharply. Besides, if the feed port and joints of pipelines are not sealed well, external air may intrude the grinding mill and lead imbalance of airflow. So, SBM arranges exhaust valves at the air outlet of the fan to induce redundant air into the bag filter. After purifying, the redundant air is discharged. This arrangement can achieve both the balance of airflow and the eco-friendly production.

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