

MTM Trapezium Mill



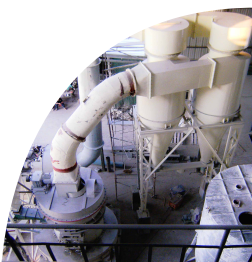


Overview

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.

Application

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 & Benefits

Compared with the traditional one ,MTM Medium Speed Trapezium Mill has five advantages as follows:



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.





Operation & Maintenance

1. The spindle refueling time should for each class plus, but it should be noted that the oil found in oil-cup there is no loss or loss is too slow, they should immediately wash the oil Road, together with 50 # machine oil, oil cup top position in the spindle, spindle base bearings, roller bearing axle with grease gun for each class notation 3 # lithium based grease once a parser bearings cleaned once every six months apart, add a little 3 # lithium based grease, fan bearings room plus lithium Grease.

2. Forbidden piece of metal into the machine, otherwise it will damage grinding roller and grinding ring, and even center hanger and so on.

3. Feeding should be uniform, non-erratic. feeding too much will be blocked duct, lower output, easy to burn out motor, feeding too little is not good also. Feed size: hard material in the diameters less than 15 mm, preferably, soft material diameter of 20 mm, large pieces of material is strictly prohibited to join the machine.

4. Air volume control: in the fan on the intake manifold air flow control valve, generally open to maximum position, according to fineness, yield requirements appropriate adjustments. Is located in the exhaust pipe on the exhaust exit control valve, transferred to feed the mouth can be no dust emitted. Air volume is small, thin high. It should be noted, wind is too small, the host within a duct beneath the easy precipitation of materials, please be adjusted appropriately.

5. Fineness adjustment, according to materials, size, hardness, moisture content, the proportion of different degree of processing of different thickness, adjustable top of the analyzer, high speed, fineness high, speed low, thin low. Improve the fineness, the output will be reduced accordingly, if it is mainly the fan speed when debugging, the user can flexibly.

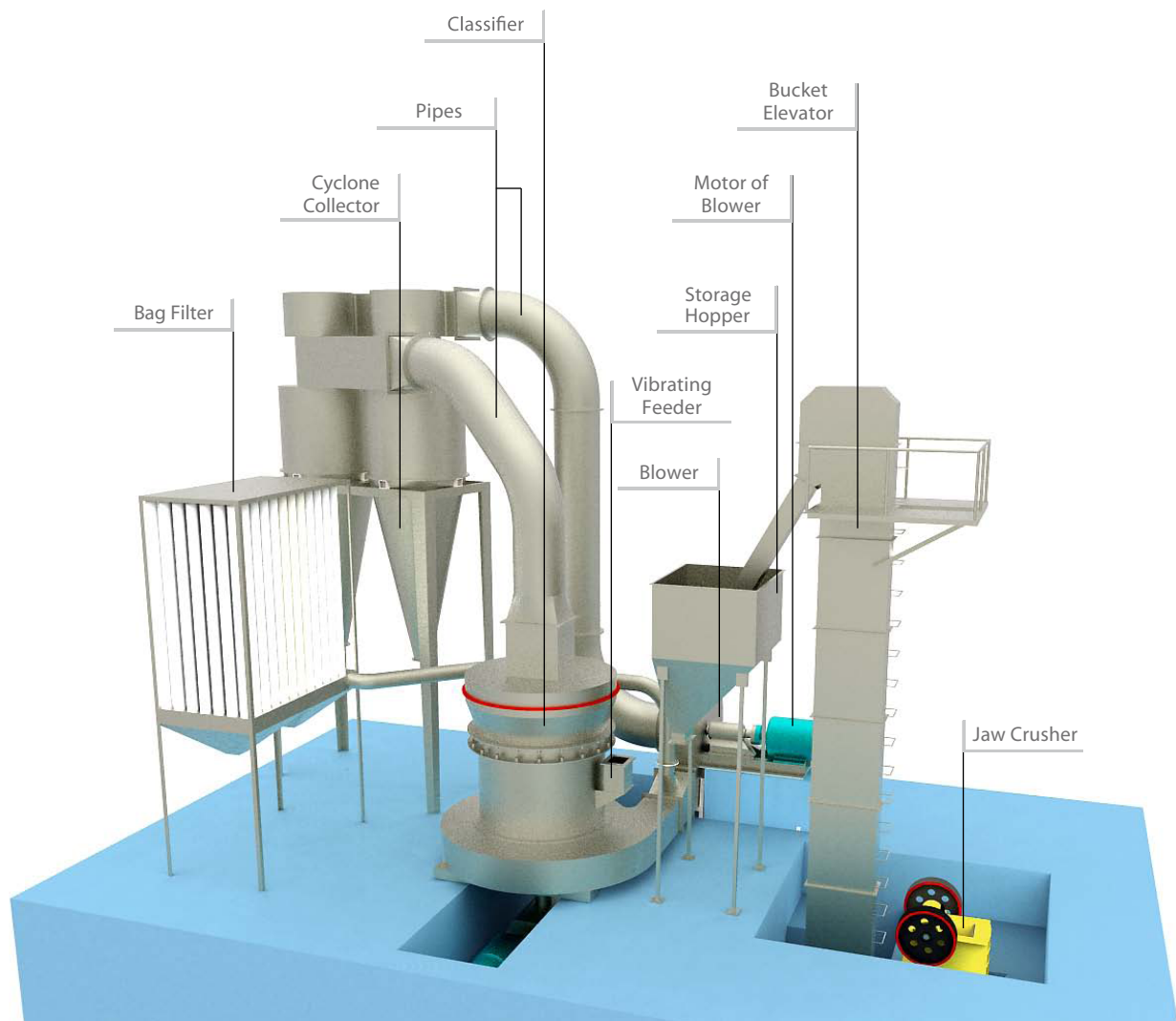
6. Roller mill scrap ring limit, the remaining minimum wall thickness of not less than 10mm.

7. Parking, the first stop feeding, the host continues the mood, so that residual abrasive continued milling, about a minute, you can disable the host motor and motor analyzer, stop grinding work, and later stopped fan motor, the net in order to blow residual powder.



Main Structure

Trapezium Mill consists of main unit, powder classifier, cyclone collector, decelerator, dust catcher, blower, motor, and pipes. The optional accessories include jaw crusher, elevator, feeder, and control cabinet.



Technical Data

Model	MTM100	MTM130	MTM160
Number of Roller (piece)	4	5	6
Major Diameter of Roller × Height(mm)	Φ310×170	Φ410×210	Φ440×270
Internal Diameter of Ring × Height(mm)	Φ950×170	Φ1280×210	Φ1600×270
Main Engine Spindle Speed(r/min)	130	103	82
Maximum Feeding Grain Size (mm)	25	30	35
Grain Size of Finished Product (mm)	1.6~0.045	1.6~0.045	1.6~0.045
Output (mm)	2.1~8	4~13	7~22
Overall Dimension (mm)	7100×5900×7900	9200×7250×9700	12550×5700×8355

Model	Item	Unit	Specification and Technical Data		
			MTM100	MTM130	MTM160
Motor of Main Machine	Model		Y315M-4	Y225S-4	Y280S-4
	Power	kw	37	75	132
	Spindle Speed	r/min	1470	1480	1480
Motor of Adjustable Varying Speed motor	Model		YCT200-4A	YCT200-4B	YCT225-4A
	Power	kw	5.5	7.5	11
	Spindle Speed	r/min	125~1250	125~1250	125~1250
Motor of Elevator	Model		YY100L-4	Y100L2-4	Y112M-4
	Power	kw	3	3	4
	Spindle Speed	r/min	1420	1430	1420
Motor of Blower	Model		Y220L-4	Y250M-4	Y315M-4
	Power	kw	37	75	132
	Spindle Speed	r/min	1470	1480	1480
Jaw Crusher	Model	PE	200X350	250X400	250X750
	Model		Y160M-6	Y180M-6	Y200M-6
	Power		7.5	15	22
	Spindle Speed		970	970	970
Electro Magnetism Vibrating Feeder	Model		GZ2F	GZ2F	GZ3F

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





Working Principle

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 through adjusting separator, it can reach proper fineness of materials.

Technical Data

Model	Capacity T/H	Passing Mesh	D97	D90	D80	D70	D60
MTW-100	50-150(mesh)		3.1-3.6	4.224	4.7-5.3	6.6	6.6-8
	100-150(mesh)		3.432	3.96	4.7-5.3	5.3-6.6	6.6
	50-150(mesh)		3.1-3.5	3.5-4	4-5.3	5.3-5.8	6.6
	50-150(mesh)		2.9-3.1	3.5-4	4-4.8	5.28	5.808
	50-150(mesh)		2-2.7	3.1-3.5	3.96	4.752	5.28
MTW-130	50-150(mesh)		5.3-6.1	7.2	8.0-9.0	11.22	11.2-13.6
	100-150(mesh)		5.8	6.7	8.0-9.0	9-11.2	11.22
	50-150(mesh)		5.3-6	6-6.8	6.8-9	9-9.8	11.22
	50-150(mesh)		4.9-5.3	6-6.8	6.8-8.1	9	9.9
	50-150(mesh)		3.4-4.6	5.3-6	6.7	8	9
MTW-160	50-150(mesh)		9.5-10.4	12.2	13.6-15.3	19	19-23.1
	100-150(mesh)		9.86	11.39	13.6-15.3	15.3-19	19
	50-150(mesh)		9.5-10.2	10.2-11	11.6-15.3	15.3-16.7	19
	50-150(mesh)		8.3-9.5	10.2-11	11.6-13.8	15.3	16.83
	50-150(mesh)		5.8-7.8	9.5-10	11.39	13.6	15.3

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Service

Since the establishment, Shanghai Shibang Machinery Co., Ltd has regarded "All is for clients" as its service goal and has provided high-quality, high-taste, high-efficient and all-around-way service for its clients.



Service Promise: from the design process to delivery, we do every step carefully to satisfy clients to the best.

1. Pre-sale Services

Act as a good adviser and assistant of clients; enable them to get rich and generous returns on their investments.

- ◆ Select equipment model
- ◆ Design and manufacture products according to clients' special requirement
- ◆ Train technical personnel for clients

2. Services During The Sale

Respect clients; devote ourselves to improving the total value of clients.

- ◆ Pre-check and accept products ahead of delivery
- ◆ Help clients to draft solving plans

3. After-sale Services

Provide considerate services to minimize clients' worries.

- ◆ Assist clients to prepare for the first construction scheme
- ◆ Install and debug the equipment
- ◆ Train the first-line operators on site
- ◆ Examine the equipment regularly
- ◆ Provide maintenance for big items
- ◆ Provide technical exchanging
- ◆ Provide perfect service
- ◆ Distribute the guarantee fittings door-to-door
- ◆ Take initiative to eliminate the troubles rapidly at site





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Any change of technical data shall not be advised additionally.