

# MXB coarse powder mill





## Overview

MXB Coarse Powder Mill is a kind of new high-tech milling machine to meet the requirements of coarse powder processing customers. Based on our experts' many years research experience in the milling industry and considering recommendations and requirements of domestic and foreign clients, it is the ideal equipment to replace Raymond Mill, Ball Mill and other traditional grinding mills which only process fine powder materials.

## Application

MXB Coarse Powder Mill is used for pre-processing of various crushable non-flammable and non-explosive brittle materials with Mohs under 9. It is widely applied in quartz sand, silica sand, foundry sand, fine sand and other sand abrasive industry. It is also applied in industries of mining , construction , metallurgic, road building and water conservancy etc.



# Main Features & Benefits

High efficiency of wear material, wear evenly, the lifetime is three times higher than that of Raymond Mill; High percentage of sand can be produced by this machine.



1. High efficiency of spare parts. As materials fall from top to bottom, roller and ring are equally worn. Thus the life span could be 3 times higher than that of Raymond Mill.
2. High efficiency of processing fine sand. 80% of the finished sand could be finer than 1-2mm.
3. This machine could be used as the pre-grinding equipment before ball mill so as to increase Ball Mill efficiency by 50%.
4. Products out of MXB coarse powder mill can be used to make firebrick, concrete brick, block and other new building materials
5. Mainly used for pre-processing of various crushable non-inflammable and non-explosive brittle material with Mohs Hardness less than nine.





# Operation & Maintenance

1. During the application of the MXB coarse powder mill from the professional manufacturer of grinding mill SBM, some personnel shall be arranged to take responsibility of management. The operators must be qualified with the required technical knowledge. Before the installation of this grinding mill, the persons related to the operation should receive technical training and fully understand the operating principle, performance and regulations of the MXB coarse powder mill.

2. In order to guarantee the MXB coarse powder mill in a normal working state, a Safety Operation System for the Maintenance of the equipment must be established. Only in this way can this grinding mill be guaranteed to have a long-term and safe operation. Meanwhile, it is necessary to have the required repairing tools, lubricant and grease, spare parts and accessories.

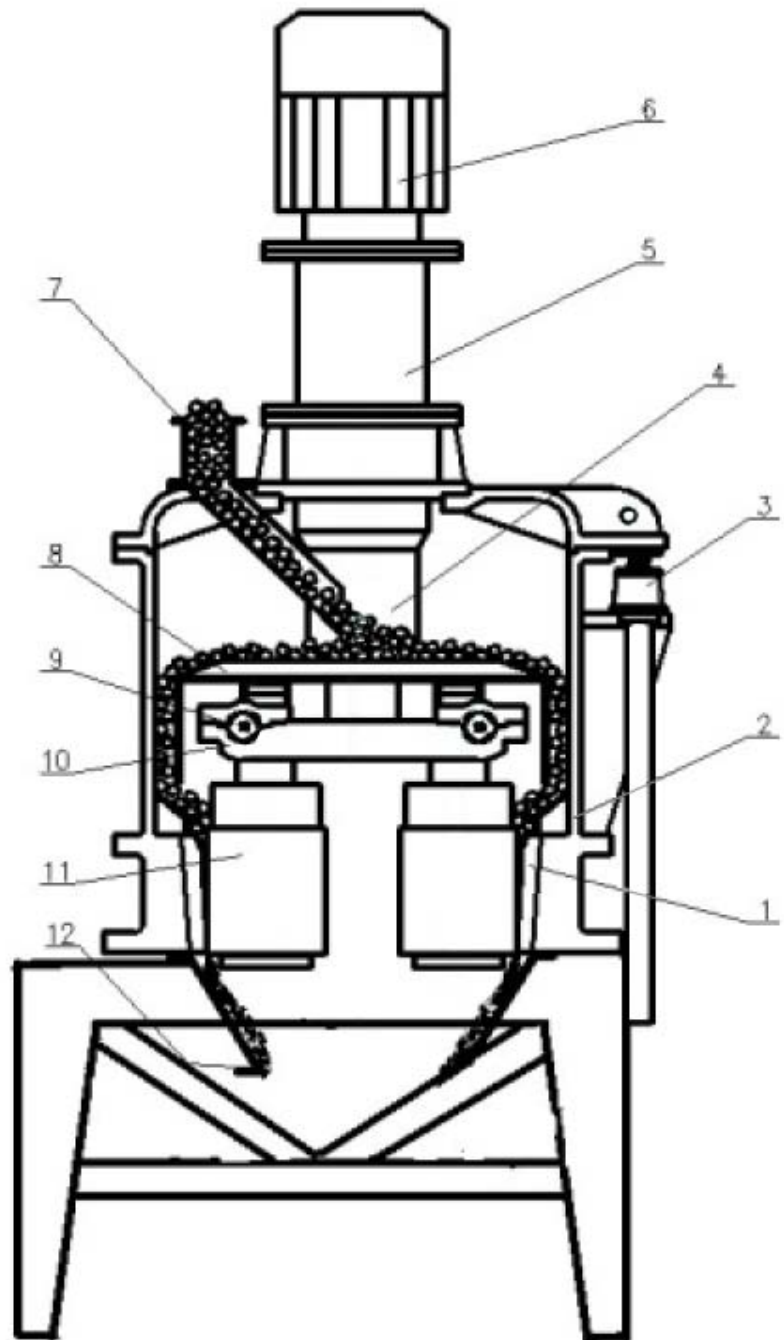
3. After some period of running, the MXB coarse powder mill should receive an examination and repairing. The components vulnerable to worn out, such as grinding roller, grinding ring, relieving tool etc. should be repaired or replaced. Before and after the operation, a careful examination should be carried out for

4. When their application time surpassing about 500 hours, all the rolling bearings in the roller sleeves must be cleaned, and the damaged parts should be replaced. The oiling tool can be either a manual oiling pump or grease gun.



# Main Structure

Main unit is composed of motor ,decelerator,central shaft ,distribution disk,roller bracket,roller,ring,base case,cross arm shaft of roller ,etc. Distribution disk and roller bracket are installed on the main shaft.Roller is hanged on roller bracket by cross arm shaft and roller can be swung around ceoss arm shaft. Ring is fixed on base case.



- |                  |                              |
|------------------|------------------------------|
| 1. Ring          | 7. Feed port                 |
| 2. Shell of base | 8. Dividing plate            |
| 3. Elevator      | 9. Horizontal axle of roller |
| 4. Central shaft | 10. Roller bracket           |
| 5. Gear box      | 11. Roller                   |
| 6. Motor         | 12. Discharge hopper         |



# Technical Data

## MXB Coarse Powder Mill Technical Data

Model	MXB904	
Number of Roller	4(piece)	
Maximum Feeding Grain Size	<30 mm	(Hard Material)<20mm
Open Circuit finished sized	70 – 90 % < 2 mm	Adjustable, reference Instruction below
Open System Capacity	8 – 15 t/h	Be involved with the average size and hardness of the feeding
Main Motor Powder	37 – 45 kw	Fine, Low production with small motor
Main Motor Model	Y225-4	45kw
Elevator Power	3X1.1 kw	
Contour (LXWXH)	2.01X2.03X2.79(m)	Including main motor gear box main unit
Maximum Lifting weight of Single Piece	4.81	Refer to the individual pieces can not be disconnected
Cross Weight (Except Electric)	13.71	

Note: This specification is just reference, any changes are subject to the MXB coarse powder mill products.

## Support Equipments Parameter

Name	Model	Model	Description
JC Jaw Crusher	JC250×1000	30kw	Speed≥1m/s
Bucket Elevator	TH250	3kw	
Vibrating Feeder	GZ3F	0.2kw	Space between inlet and outlet is 1000

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## Working Principle

Step with main shaft, bulk disk and roller bracket is driven by motor through reducer. Installed above bracket, roller assembly rotates with main shaft and swings freely meantime, this bring a large centrifugal force, which scatters bulk materials evenly in grinding intermediate layer between central roller and ring. The bulk materials are grinded into powder and fall on the bottom, and then discharged from discharging opening under the effect of synchronously-rotating scraper.



# 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.*