

## MSB Coarse Powder Mill- Grinding Mill



### MSB Coarse Powder Mill

MSB 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' 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 mill which only process fine powder materials. It is high-efficiency equipment and widely applied in quartz sand, silica sand, foundry sand, fine sand and other sand abrasive industry. By being a component of closed production lines, it can produce various size products of better effect.

#### **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.

#### **Technology Advantages of MSB Coarse Powder Mill:**

1. High efficiency of wear material, wear evenly, the lifetime is three times higher than that of Raymond Mill;
2. High percentage of sand can be produced by this machine;
3. The mill is a highly efficient desulfurization equipment of power plant. It can grind  $\text{CaCO}_3$  into fine powder less than 1-2mm, the desulfurization effect is better;
4. This machine can be used as pre-grind equipment before ball mill; the ball mill efficiency will increase 50%;

5. Products out of this machine can be used to make firebrick, concrete brick, block and other new building materials;
6. Mainly used for pre-processing of various crushable non-inflammable & non-explosive brittle material with Mohs Hardness less than nine.

**MSB Coarse Powder Mill Specification:**

Name/Parameter/Product	Model	
	MSB1004	MSB1205
Roller quantity(pcs)	4	5
Max. feeding size(mm)	<30	<35
Product size(mm)	70-90%<2	70-90%<2
Capacity(ton/hour)	8-15	16-30
Main motor power(kw)	37-45	75-90
Overall size(mm)(LxWxH)	1870x1500x2580	2350x1850x2850
Total weight (excluding electricity control cabinet)(ton)	8	14

Optional Equipment		
Jaw crusher	PE(X)150x750	PE(X)250x1000
Power(kw)	15	30
Bucket elevator	TH250	TH315
Power(kw)	3	7.5
Vibrating feeder	GZ3F	GZ4F
Power(kw)	0.2	0.4

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