

MSB Coarse Powder Mill

Based on years' research experience in grinding area and customers' suggestion and requirements, the experts of our company have developed this new kind of grinding equipment with high-efficiency by several times' of innovation and design .And this kind of MSB Coarse Powder Mill have replaced some traditional grinding equipment which can only proceed the thin powder manufacturing, such as the Raymond mill, ball mill, etc. And the MSB Coarse Powder Mill have found their extensive application in the foundry sand, quartz sand, silica sand, abrasive ,abrasives sand and other super thin fields.



Technical advantages of MSB Coarse Powder Mill

1. All-in-one machine: this kind of machine can form the closed production line with classifier equipments to produce various size of particles. And we can also increase the productivity of ball Mill by 35%-40% before the ball mill .

2. High usage efficiency of the wearing parts: from top to the end of this grinding roller are evenly wearing, which have extended its service life.
3. High crushing and thin powder ratio: equipped with the vibrating screen ,this kind of MSB Coarse Powder Mill can grind the materials to thin materials of less than 2mm or 1mm,which have increased the production of Raymond mill by 30%~40%.
4. Desulfurization of the power plant: this kind of MSB Coarse Powder Mill can grind the calcium carbonates to the thin powder of less than 2mm or 1mm so that the desulfurization is better.
- 5 . Refractory block, unburned pieces: the crushed materials of MSB Coarse Powder Mill will be used to produce the particles such as refractory block, unburned pieces, etc. And that's have the better match with the powder.

Working principle of MSB Coarse Powder Mill

The working principle of MSB Coarse Powder Mill are as follows : By the reducer, the motor will drive the distributing plate, bracket of the grinding roller to rotate with the principle axis .The grinding roller equipment will be equipped on the bracket by the cross arm shaft and then rotate with both the central axis and main shaft at the same time .And upon the huge eccentric force ,the grinding roller will grind the materials to the powder. And the final products will fall down onto the floor and then be discharged out by the scraper with synchronized rotating.

MSB 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	Fines, 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	

Support equipments parameter

Name	Model	Power	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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