



Shanghai ShiBang Machinery CO.,LTD  
-----PRODUCT INTRODUCTION-----

## Vertical Roller Mill

International Dept.1: Tel: 0086-21-58386189 Fax:0086-21-58386211

International Dept.2: Tel: 0086-21-58386176 Fax:0086-21-58386211

International Dept.3: Tel: 0086-21-58386186 Fax:0086-21-58386211

E-mail: [sbm@sbmchina.com](mailto:sbm@sbmchina.com)

Yahoo! ID: [sbmcrusher@yahoo.com](mailto:sbmcrusher@yahoo.com) | Skype ID: [sbmchina](#)

Office Add: No.416 Jianye Road, Pudong New Area, Shanghai, China

Postcode: 201201

## Vertical Roller Mill Introduction

Vertical Roller Mill is a new kind of large scale power mill which is designed specially to solve the problems of low capacity and high consumption of industry mills. With a decade of years' research of mills, Vertical Roller Mill is designed and manufactured based on our advanced design idea, and in combination with the European technology and the market demand. It adopts reliable structure and reasonable process flow, integrated with drying ,milling, classifier , elevator. Especially ,it can fully meets the requirement of clients in the high production of powder and its main technical and economy indicator reaches the international level.



### Application:

Specialized for the high production of superfine pyrophyllite powder making in glass fiber industry

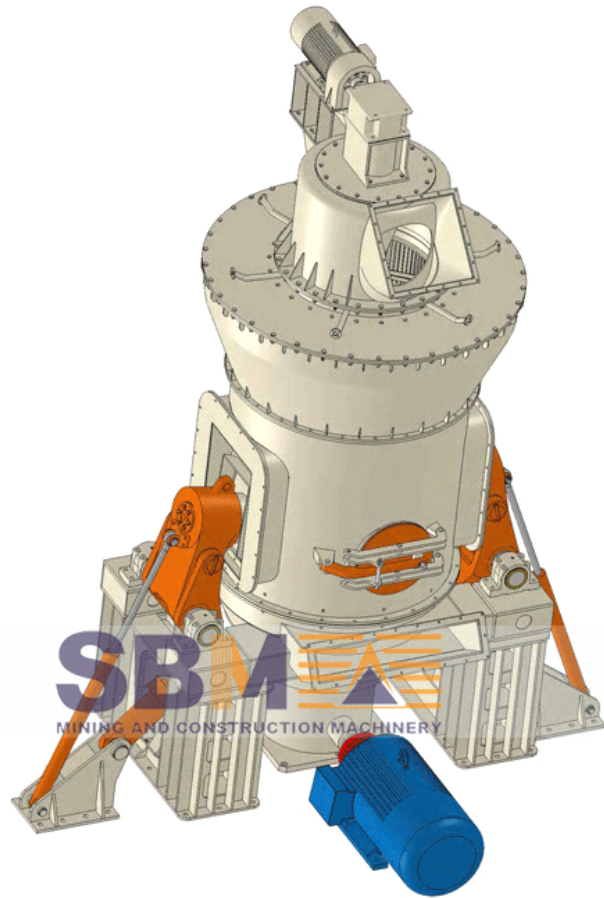
Specialized for the high production of gangue powder making in coal industry

Specialized for the high production of various of chemical raw material powder making in the chemical industry.

It is a necessary equipment for the high production of mineral powder in the non-metal mine industry and large scale powder making in many other industries.



International Dept.1: Tel: 0086-21-58386189 Fax:0086-21-58386211  
International Dept.2: Tel: 0086-21-58386176 Fax:0086-21-58386211  
International Dept.3: Tel: 0086-21-58386186 Fax:0086-21-58386211



### Working principles of the Vertical Mill CLM:

The motor drives the grinding table to turn through the speed reducer. At the same time, hot air comes into the roller mill from the air inlet. The materials fall down the centre of grinding table from the feeder. Because of the centrifugal force, the materials move to the edge of grinding table from the centre. The materials are crushed by the grinding roller when they pass the groove on the grinding table. The crushed materials continue to move to the edge of the grinding table until taken away by the airstream. Then the bigger materials fall down the grinding table and the process of crushing continues. When the materials in the airstream pass the separator on the top of the mill, the materials fall down the grinding table from the taper filler under the force of guide leaf blade. The fine powder comes out with the airstream, and is gathered by the dust catcher of the system. The powder gathered is the final product of roller mill. In the process of the contact of airstream, the materials are dried to meet the clients' need at the proper moisture. Through the adjustment of the angle between the separator and the leaf of wind's direction (not suitable to the small type of vertical mill), and also the speed of the separator rotor, it can reach the proper fineness of the materials.



Technical data of CLM series roller mill(Coal or Cement Industry)

Specification	Capacity(t/h)	Humidity of Raw Coal	Fineness of Powder	Humidity of Powder(%)	Motor Power (kw)
CLM1250M	7-12	<15%	5-12%	≤1	132
CLM1300M	10-15	<15%	5-12%	≤1	185
CLM1400M	12-17	<15%	5-12%	≤1	200
CLM1500M	16-22	<15%	5-12%	≤1	250
CLM1700M	20-28	<15%	5-12%	≤1	315
CLM1900M	26-35	<15%	5-12%	≤1	400
CLM2200M	35-45	<15%	5-12%	≤1	500
CLM2400M	40-50	<15%	5-12%	≤1	560
CLM2800M	50-62	<15%	5-12%	≤1	710



International Dept.1: Tel: 0086-21-58386189 Fax:0086-21-58386211  
International Dept.2: Tel: 0086-21-58386176 Fax:0086-21-58386211  
International Dept.3: Tel: 0086-21-58386186 Fax:0086-21-58386211

CLM series roller mill Technical data of raw meal mill(Cement Industry)

Specification	Capacity(t/h)	Humidity of Raw Coal	Fineness of Powder	Humidity of Powder(%)	Motor Power(kw)
CLM1500M	7-12	<10%	≤12%	≤1	280
CLM1700M	10-15	<10%	≤12%	≤1	400
CLM1900M	12-17	<10%	≤12%	≤1	500
CLM2200M	16-22	<10%	≤14%	≤1	800
CLM2400M	20-28	<10%	≤14%	≤1	900
CLM2800M	26-35	<10%	≤14%	≤1	1120
CLM3400M	35-45	<10%	≤15%	≤1	1800
CLM3700M	40-50	<10%	≤15%	≤1	2240
CLM4800M	50-62	<10%	≤15%	≤1	3800



International Dept.1: Tel: 0086-21-58386189 Fax:0086-21-58386211  
 International Dept.2: Tel: 0086-21-58386176 Fax:0086-21-58386211  
 International Dept.3: Tel: 0086-21-58386186 Fax:0086-21-58386211

## Technical data of CLM series roller mill(Desulphurization of Fume)

Specification	Capacity(t/h)	Humidity of Raw Material	Fine of Limestone Power	Powder of Main Motor
CLM1250X	6-9	≤5	325 90%	132
CLM1300X	9-13	≤5		200
CLM1500X	13-18	≤5		280
CLM1700X	18-25	≤5		355
CLM1900X	25-32	≤5		450
CLM2200X	32-40	≤5		560
CLM2400X	40-50	≤5		710
CLM2800X	50-65	≤5		900



International Dept.1: Tel: 0086-21-58386189 Fax:0086-21-58386211  
 International Dept.2: Tel: 0086-21-58386176 Fax:0086-21-58386211  
 International Dept.3: Tel: 0086-21-58386186 Fax:0086-21-58386211

## Technical data of CLM series roller mill(Metallurgy Industry)

Specification	Capacity	Humidity of Raw Coal	Fineness of Coal owder	Humidity of Powder(%)	Power of Main Motor
CLM800M	3-5	≤10(%)	80%	≤1	55
CLM1100M	5-8	≤12(%)			110
CLM1250M	9-13	≤15(%)			132
CLM1300M	13-17	≤15(%)			160
CLM1500M	18-22	≤15(%)			250
CLM1700M	22-30	≤15(%)			315
CLM1900M	30-40	≤15(%)			400
CLM2200M	40-50	≤15(%)			500
CLM2400M	5-70	≤15(%)			630
CLM2800M	70-100	≤15(%)			800



International Dept.1: Tel: 0086-21-58386189 Fax:0086-21-58386211  
 International Dept.2: Tel: 0086-21-58386176 Fax:0086-21-58386211  
 International Dept.3: Tel: 0086-21-58386186 Fax:0086-21-58386211