

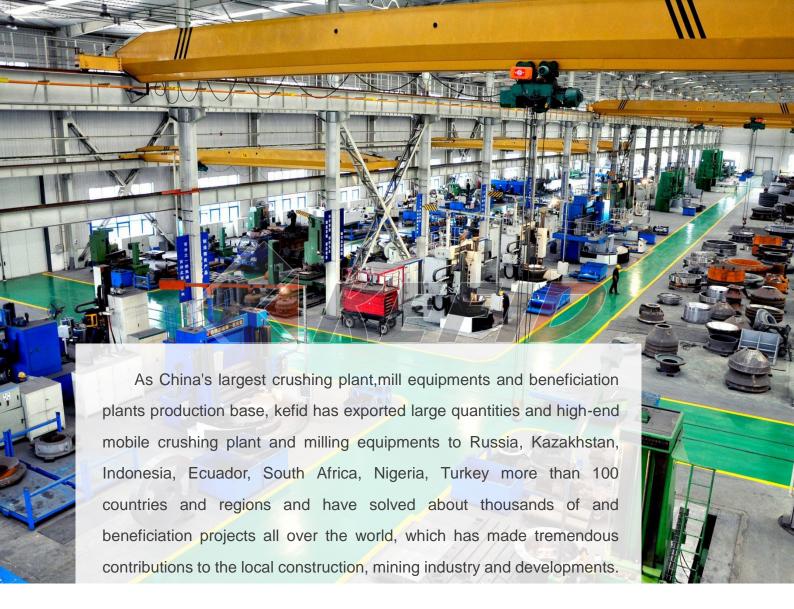
Vertical Grinding Mill

Reach new height with KEFID

- O Save 30%-40% energy
- Comprehensive functional integration
- The feeding size reach 40-100mm
- O High dring ability







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





VM series Vertical Grinding Mill is the first choice for non-metal ores grinding

1.Low operating costs.Combine the crushing, grinding, dring, classifier and elevator, the system of vertical mill is simple and occupation area is about 50% of ball mill system. It can be installed outside, so it will reduce a large number of investment cost;Compared with ball mill, vertical mill can save energy consumption 30%-40%;Little Wear: The roller and lining plate are made of premium material to have long service life.



2. Low investment cost. The system of vertical mill is simple and occupation area is about 50% of ball mill system. It can be installed outside, so it will reduce a large number of investment cost;

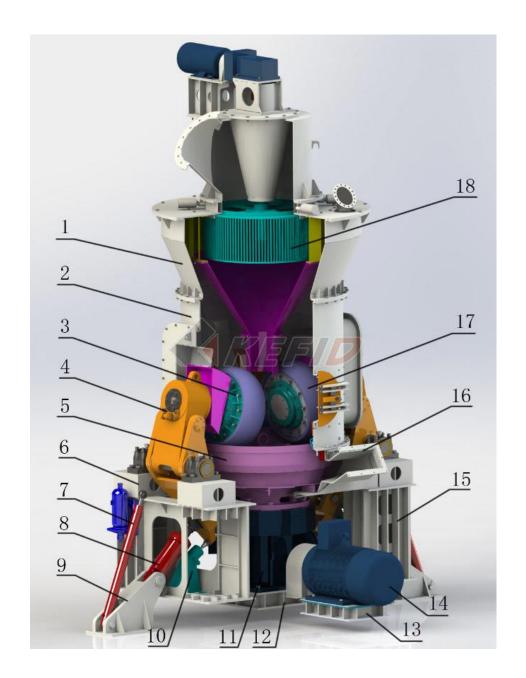


- 3. Simple and reliable operation. Automatic control system is equipped, so the remote control makes it easy to operate. It is equipmented with one device, which prevents the roller from contacting with the liner directly, and avoids the destructive impact and severe vibration;
- 4. High dring ability. As the hot air inside contacts directly with the material, drying ability is higher, and it saves energy. By regulating the air temperature, it can meet requirements with different humidity;
- 5. Fine product quality and particle uniformity.

The materials stay in the mill for only 2-3 minutes, but 15-20 minutes in the ball mill, so the chemical elements and fineness could be quickly tested and adjusted to ensure the product quality.

- 6. Convenient maintenance. By reparinging fuel tank, rotating the arm, it is fast to replace the roller sleeve, and liner, and reduce the downtime loss;
- 7. Environmental protection. It is with small vibration, low noise, and the overall sealing. The system works under negative pressure, so there is no dust going out. It meets the requirements of the state Environmental Protection.





м	С.	\sim				-	-	` P
	\cdot	e	0	а	10	51	ш	ш
	$\overline{}$	•	r	•		-	3.	-

2- Middle frame

3- Roller assembly

4- Transmission wall assembly

5- Transmission arm

6- Supporting seat

7- Repairing cylinder

8- Working cylinder

9- Oil cylinder assembly

10- Limit device assembly

11- Main speed reducer

12- Speed reducer seat

13- Electrical machine seat

14- Main motor

15- Frame

16- Low frame

17- Roller shell

18-Rotor



Technical Parameters of Vertical Grinding Mill

Ore Mill:

Contents Data//Model		VM130k	VM150k	VM170k	VM190k	VM220k
Capacity(t/h)		10~28	13~38	18~48	23~68	36~105
Mainframe power(KW)		200	280	400	500	800
	Length (mm)	5520	6550	7170	7580	7920
Overall dimension	Width (mm)	2500	3070	3460	3320	4870
	Height (mm)	7060	7560	8300	8960	12280
Weight(t)			70	90	105	180

Coal Mill:

Content arameter//Model		VM130M	VM150M	VM170M	VM190M	VM220M
Wheel Diameter(mm)		1300	1500	1700	1900	2200
Quantity of rol	Quantity of roller(piece)		2	2	2	2
Capacity	r(t/h)	10~17	16~22	20~30	26~40	35~50
Coal fineness	s(R0.08)	5~20%	5~20%	5~20%	5~20%	5~20%
Coal mois	sture	<1%	<1%	<1%	<1%	<1%
Input size D	Input size D80(mm)		<10	<10	<10	<10
Max.input size(mm)		<38	<40	<42 <45		<50
Input moi	Input moisture		<15%	<15%	<15%	<15%
Inlet air temperature(°C)		<350	<350	<350	<350	<350
Outlet air temperature(°C)		75~95	75~95	75~95	75~95	75~95
Hardgrove index of raw coal(HGI)		>55	>55	>55	>55	>55
Mainframe power(KW)		185	250	315	400	500
Overall dimension	Length (mm)	5520	4200	4700	7580	7670
	Width(mm)	2500	3900	4500	3320	4660
	Height (mm)	7060	7100	8300	8960	11280
Weight(t)		46	68	88	100	165



Slag Mill:

Content Date//Model		VM130N	VM150N	VM170N	VM190N	VM220N
Wheel Diameter(mm)		1300	1500	1700	1900	2200
Quantity of rol	ller (number)	2	2	2	2	2
Capaci	ty(t/h)	5~14	7~20	9~27	12~30	18~55
Output	Micron	170~45	170~45	170~45	170~45	170~45
fineness	Mesh	80~325	80~325	80~325	80~325	80~325
Product n	Product moisture		≤1%	≤1%	≤1%	≤1%
Input size	Input size D80(mm)		<10	<10	<10	<10
Max.input	Max.input size(mm)		<40	<42	<45	<50
Input moisture(r	Input moisture(no need to dry)		<4%	<4%	<4%	<4%
Input moisture	Input moisture(need to dry)		4~15%	4~15%	4~15%	4~15%
Inlet air temp	Inlet air temperature(°C)		<350	<350	<350	<350
Outlet air tem	Outlet air temperature(°C)		70~95	70~95	70~95	70~95
Mainframe p	Mainframe power(KW)		280	400	500	900
	Length(mm)	5520	6550	7170	7580	7920
Overall dimension	Width(mm)	2500	3070	3460	3320	4870
differior	Height(mm)	7060	7560	8300	8960	12280
Weig	Weight(t)		72	94	110	170

Note: Any change of VM Vertical Mill technical data shall not be advised additionally.



Kefid 30tph quartz Grinding Plant in India



Raw material: quartz

Input size: <42 mm

Output size: 150-200 mesh

Capacity: 30t/h (three sets)

Equipment:3 sets LM170K vertical mill

Kefid 10-12tph silica sand Grinding Plant in Indonesia



Raw Material: silica sand

Output size: 325 mesh

Capacity: 10-12 t/h Application: fiberglass

Quantity: 2 sets LM130N



The Strength of Kefid

Kefid Machinery is a leading and pioneering enterprise with the most advanced international level in R&D, manufacturing and selling of largescale crushing & screening plants and beneficiation plants.Located in a historic city and transportation hub in central China-Zhengzhou, covering 140 thousand square meters, Kefid has Shangjie and High-tech zone two production bases. Shangjie Zone which covers 80,000 square meters has three heavy-duty and modern integrated assembling workshops-occupying 50,000 square meters; High-tech zone has 22 floors R&D Management laboratory building with 26,000 square comprehensive equipments exhibition hall with 5,100 square meters, heavy-duty and modern integrated assembling workshop with 10,000 square meters, and also has the industry's most advanced machining workshop 20,000 square meters, and hundred sets of advanced large-scale vertical lathe, fixed lathe, planner, boring lathe, grinder and milling machines.













SERVICE-With Me- Enjoy your pleasant journey

Your profit is our greatest concern and your praise is the biggest compliment that we diligently strive for. Our aim is, with the core of service, tailored for you the most valuable products with comprehensive pre-sale, sale and after sale service.

Tel: 0086-371-67999255

Email: Sales@kefid.com



SPARE PARTS

Grinding Plant



Ring



Roller



Shovel Base



Hinged support



Classifier Impeller

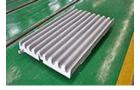
Crushing Plant



Weights for movable



Fixed jaw plate



Movable jaw plate



Lining board



wedge

Sand-making Equipment



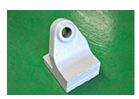
Circum Guard plate



Impact Plate



Impact Block



Hammer



wearproof Plate



PRODUCT LIST

Stationary Crushers

JC Series Jaw Crusher

Jaw Crusher

C6X Series Jaw Crusher

Primary Impact Crusher

CI5X Series Impact Crusher

Impact Crusher

CS Cone Crusher

Spring Cone Crusher

HPT Cone Crusher

Deep Rotor VSI Crusher

B Series VSI Crusher

VSI6S vertical shaft impact crusher

VU System Equipment

Dry Sand Making System

Dry-Mixed Mortar Sand Making Equipment

Concrete-Use Sand Making Equipment

Grinding Mills

Ultra Fine Vertical Grinding Mill

VM - Vertical Grinding Mill

European Tech. Grinding Mill

Micro Powder Mill

Raymond Mill

Ball Mill

Washing & Screening

F5X Heavy Vibrating Feeder

Screw Sand Washing Machine

Wheel Sand Washing Machine

Vibrating Feeder

Belt Conveyor

K series mobile plants

Primary mobile crushing plant

Mobile Secondary Crushing & Screening Plant

Independent Operating Combined Mobile Station

Fine crushing and screening mobile station

Fine crushing & washing mobile station

Three combinations mobile crushing plant

Four combinations mobile crushing plant

Crawler Mobile Crusher

Ore Beneficiation

Jaw Crusher

HPT Cone Crusher

Ball Mill

Rotary Kiln

Flotation Machine

High Gradient Magnetic Separator

Address: National HI-TECH Industry Development Zone. Zhengzhou, China.

Tel: 0086-371-67999255(24 Hour) / 67988500

Fax: 0086-371-67998980 **Zip code:** 450001

Email:sales@kefid.com Web: http://www.kefid.com

