

诚信 / 精细 / 创新 / 共赢
Integrity / Meticulosity / Innovation / Win-win

Shanghai Cronus Machinery Co. is a wholly-owned subsidiary of Guilin Mining Machinery Co., Ltd(Also known as GUI KUANG). The company is committed to delivering superior and prompt services to customers worldwide.

Cronus is mainly engaged in the research and development and manufacture of various powder equipment such as vertical roller mills, Raymond mills, hydrated lime production lines, ultrfine ring roller mills, crushers, etc., as well as the professional development and design of a complete set of powder making production lines.

上海克洛诺斯机器有限公司
Shanghai Cronus Machinery Co.,Ltd

Sales Hotline: +86 13248239223; +86 13262879223; +86 17317879223

Website: www.shcronus.com

Email: sales@shcronus.com

Address: Room 801, Building 2 , Shanghai Brilliant City No.8666 Hunan Road

Factory Address: Guilin High-speed Railway Economic Industrial Park



Intellectual
Property



High-tech
Enterprises



Quality Management
System Certification



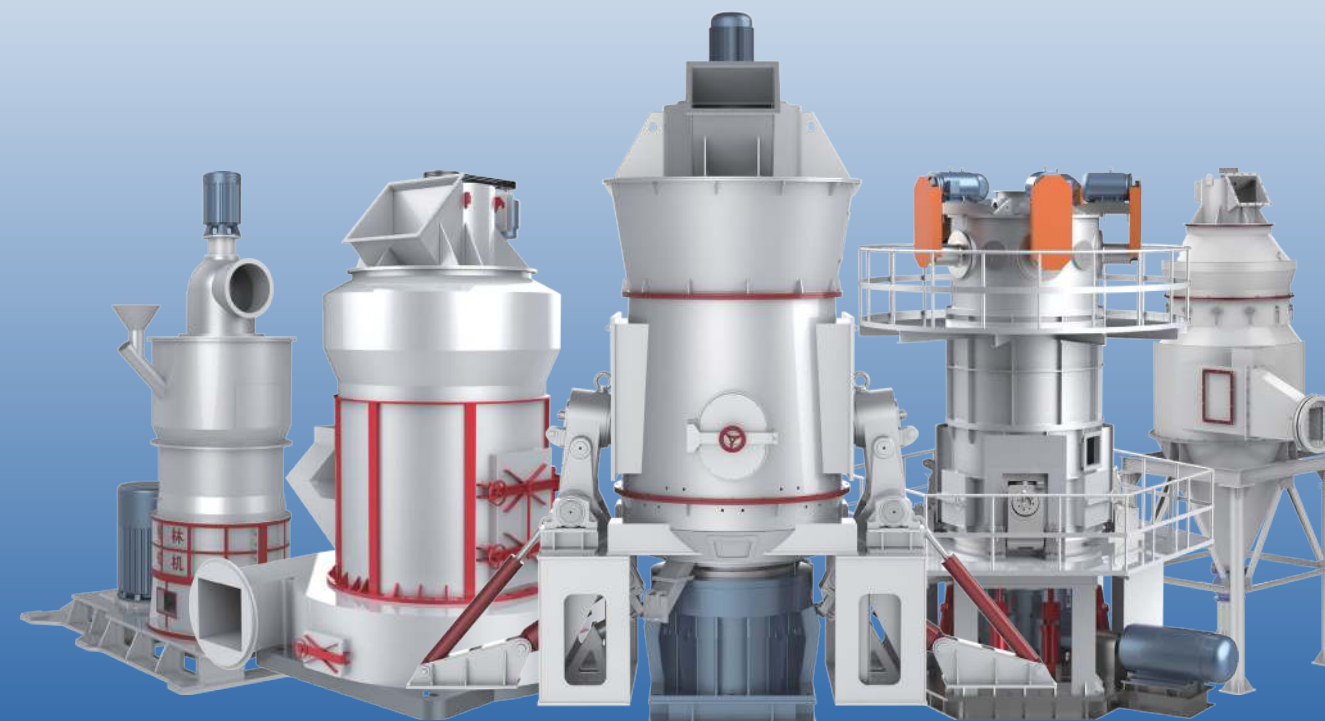
Technology Platform
Construction



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上海克洛诺斯机器有限公司
SHANGHAI CRONUS MACHINERY CO.,LTD

桂矿国际服务中心
GUI KUANG INTERNATIONAL SERVICE CENTER

Enterprise Development Process



Enterprise Honors Qualifications

Enterprise Brief Introduction

Shanghai Cronus Machinery Co., Ltd. is a wholly-owned subsidiary of Guilin Mining Machinery Co., Ltd. The company is committed to delivering superior and prompt services to customers worldwide.

Guilin Mining Machinery Co., Ltd. (formerly Guilin Mining Machinery Factory), founded in 1973, is the backbone enterprise of Guangxi machinery industry, the first batch of outstanding scientific and technological enterprises in Guangxi, and one of the two major manufacturers of grinding equipment designated by the former Ministry of Electrical and Mechanical Services. In 2013, the enterprise was restructured from a state-owned enterprise to a private enterprise. In 2019, the enterprise was relocated as a whole, from Lingchuan County to Guilin High-speed Railway Economic Industrial Park, covering an area of 122 mu, with an advantageous geographical location and very convenient transportation.

Cronus is mainly engaged in the research and development and manufacture of various powder equipment such as vertical roller mills, Raymond mills, hydrated lime production lines, ultrfine ring roller mills, crushers, etc., as well as the professional development and design of a complete set of powder making production lines. The R&D team has established an industry-university-research base with colleges and universities, and built a technological innovation platform. Cronus has core independent intellectual property rights and independent export rights, and has passed the ISO9001:2015 quality management system certification and won the GB/T29490-2013 intellectual property management system. We are certified as a national high-tech enterprise, autonomous region enterprise technology center, autonomous region specialized, refined and new small and medium-sized enterprises. As the first batch of manufacturing single champion demonstration enterprises in Guangxi, etc., We are the main industry standard of JB/T 4084-2017 "pendulum mill" Drafting unit.

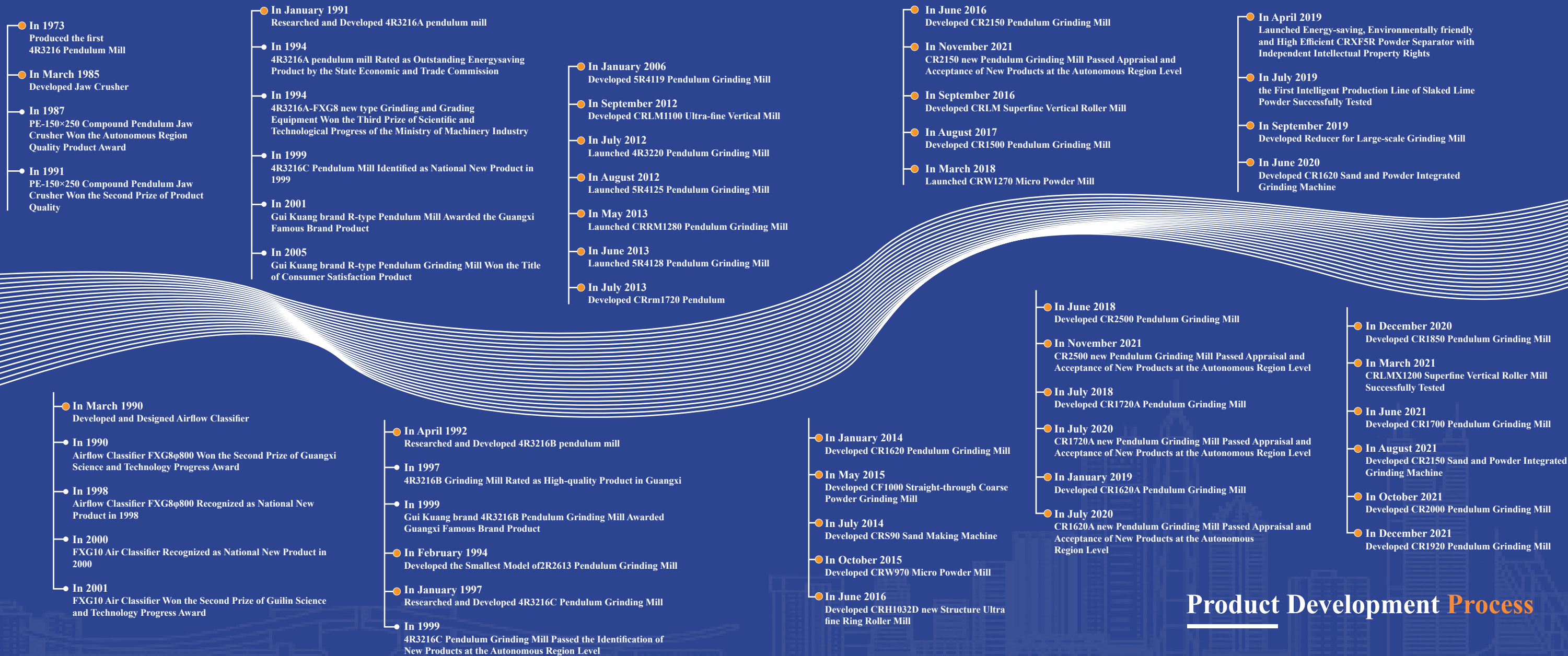
We have been focusing on the powder processing field for 50 years, meeting customer needs as its responsibility, establishing a complete marketing service system, and striving to create a new green and environmentally friendly mill in China with the cultural concept of integrity , innovation, excellence and win-win. Development, creating value for customers, creating opportunities for employees, and creating wealth for the society,Cronus has become a major domestic powder equipment manufacturing enterprise and an important export base.



GUI KUANG Founded in 1973



Enterprise Relocated in Whole in 2019



Product Development Process

Product Brief Introduction

The main products of Cronus Mining Machine are: CRLM series vertical mill, CRLMS series ultra-fine vertical mill, CRRM series pendulum mill (raymond mill), sand making line powder separator, CRGM series ultrafine ring roller mill, CRS series sand making machine, CRW series calcium hydroxide production line, powder separator, slaked lime grinding mill, quicklime slaker, preheating watermist dust collectors, crushers, etc., as well as powder-related supporting equipment, have the capability of "turnkey project" for a full set of production lines.

Cronus keeps up with the new needs of customers, and through product development and upgrading, the technical performance of products such as high reliability, high efficiency, energy saving, environmental protection, and intelligence has been continuously improved. Our business philosophy is to provide customers with better quality products and more satisfactory services with the spirit of ingenuity, and win the respect and trust of customers with quality and service. The products are widely used in building materials, metallurgy, electric power, chemical industry, transportation, mining and other industries. , all over the country in 31 provinces, municipalities and autonomous regions, at the same time, exported to more than 30 countries and regions in Asia, Africa, South America, Europe and so on.

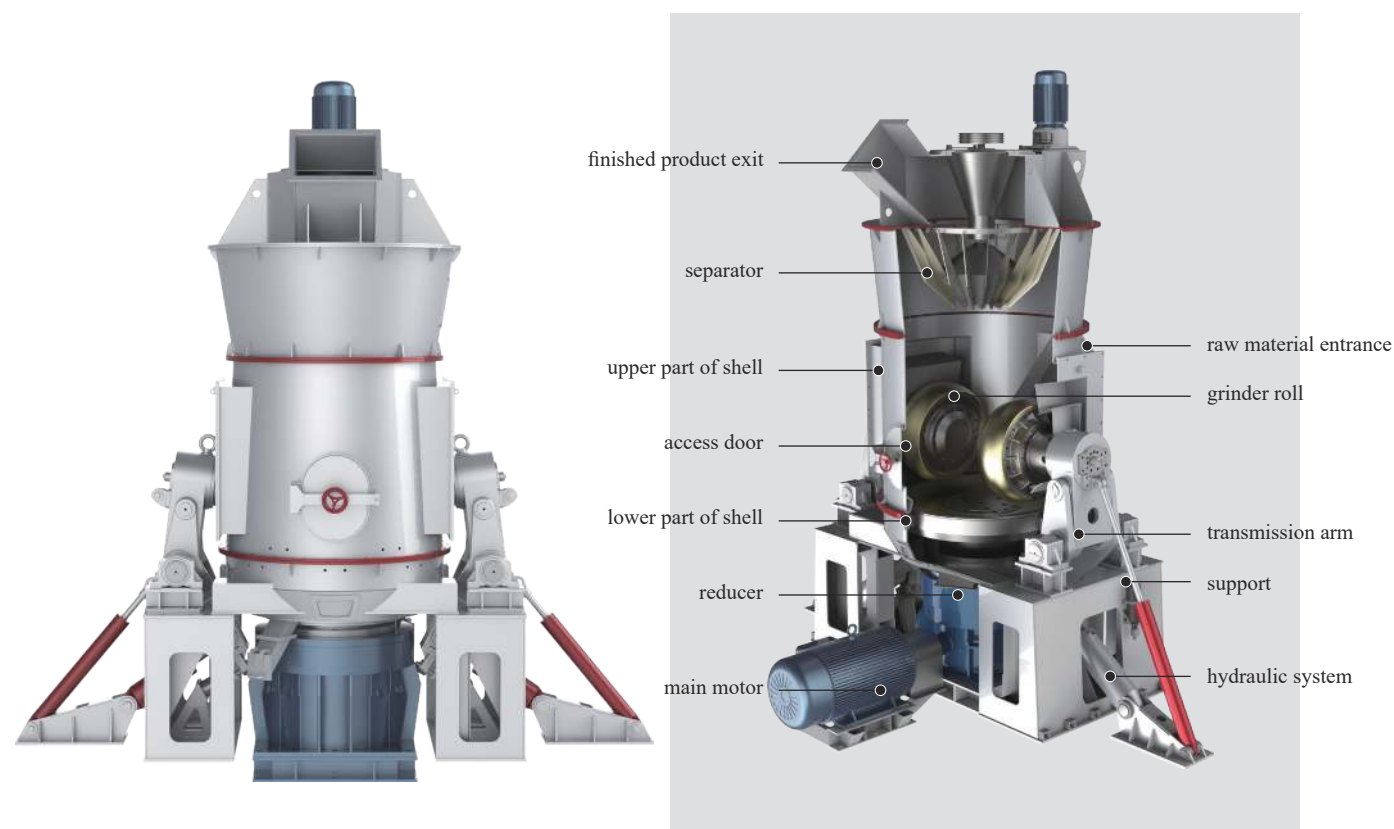


Company Honor and Qualification

Production Site



CRLM series Vertical Roller Mill



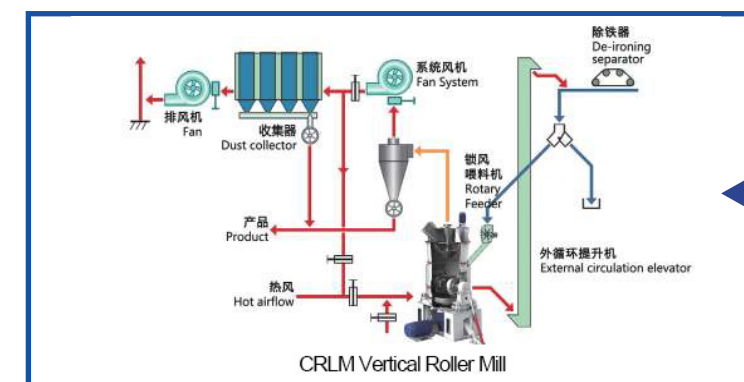
Based on the absorption of advanced technologies of famous International Corporation and with more than 40 years' experience in grinding mill production, Guikang has launched the CRLM Vertical Mill which integrates drying and grinding with high efficiency and energy saving. It can be widely used in cement, metallurgy chemical industry, non-metallic ore, non-ferrous metals ore powder grinding, electric power and other areas used in grinding of raw cement, clinker(slag), coal, gypsum and pyrophyllite, square corner stone, quartz, zinc, yt, tin and other mineral materials.

Technical Features

1. Low Cost: High efficiency and low power consumption. It consumes 40 to 50 percent less power than a ball mill. Grinding roller and liner plate are high chromium wear-resistant materials, less wear and long service life, reduce operating costs; equipped with an external circulation device to further reduce power consumption.
2. Low Construction Cost: Compared with the vertical mill and ball mill system, the land area can be reduced by 50%, and the construction cost can be reduced by about 70%. Due to the combination of crushing, drying, grinding, grading and transportation, the system is simple and can be arranged in the open air and low investment and construction cost.
3. Reliable Operation: Equipped with automatic control device, remote control can be realized, simple operation; Equipped with a limit device to prevent the grinding spoke from contacting the liner, it can effectively protect equipment.
4. Easy Maintenance: By overhauling the oil cylinder overturning grinding wheel assembly, can better and faster repair and maintenance of rollers and liners.
5. Less Pollution: Small vibration and low noise, the system is in negative pressure operation, no dust overflow.
6. Product Stable: The material stays in the mill for a short time, easy to detect and control the product powder and chemical composition.

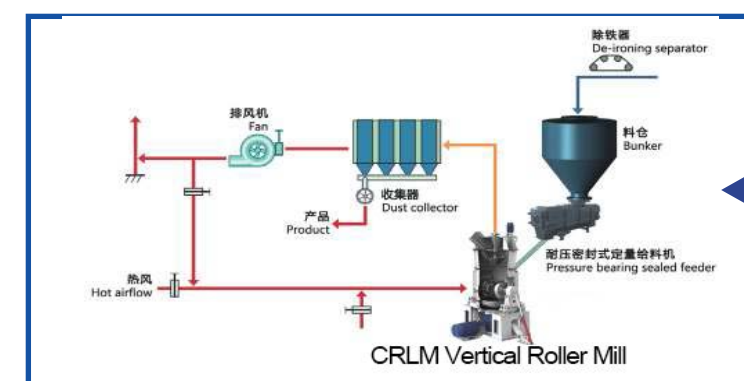
Technological Process

According to the performance of dust collector, there are two different layout schemes which are two stage dust collecting system and single stage dust collecting system.



◆ Two stage dust collecting system

Using cyclone dust collector to collect products can reduce the size of the dust collector and reduce the overdraft cost. Electric dust collector or bag dust collector can be used as the final dust collector.



◆ Single stage dust collecting system

The dust collecting device can be electric dust collecting device or bag dust collecting device. The grinding gas directly enters the dust collector. The system reduces the number of devices and simplifies system configuration.

Technical Parameters of Vertical Grinding of Raw Materials

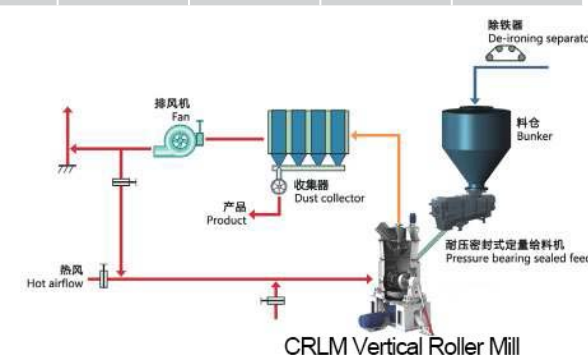
Model	CRLM 1300	CRLM 1500	CRLM 1700	CRLM 2000	CRLM 2200	CRLM 2500	CRLM 2800	CRLM 3400
Capacity (t/h)	20~24	25~34	38~48	65~80	90~105	110~125	125~155	190~240
Maximum Feeding Size (mm)	20	20	25	30	35	40	40	45
Raw MaterialMoisture (%)	< 10							
Raw Material Fineness (R0.08)	≤ 12			≤ 14			≤ 15	
Raw Batch Moisture (%)	≤ 1							
Main Motor Power (kW)	200	280	400	500	800	1000	1250	1800
Weight (t)	56	68	88	115	188	220	270	480

Note: Grindability of Raw Materials (l)

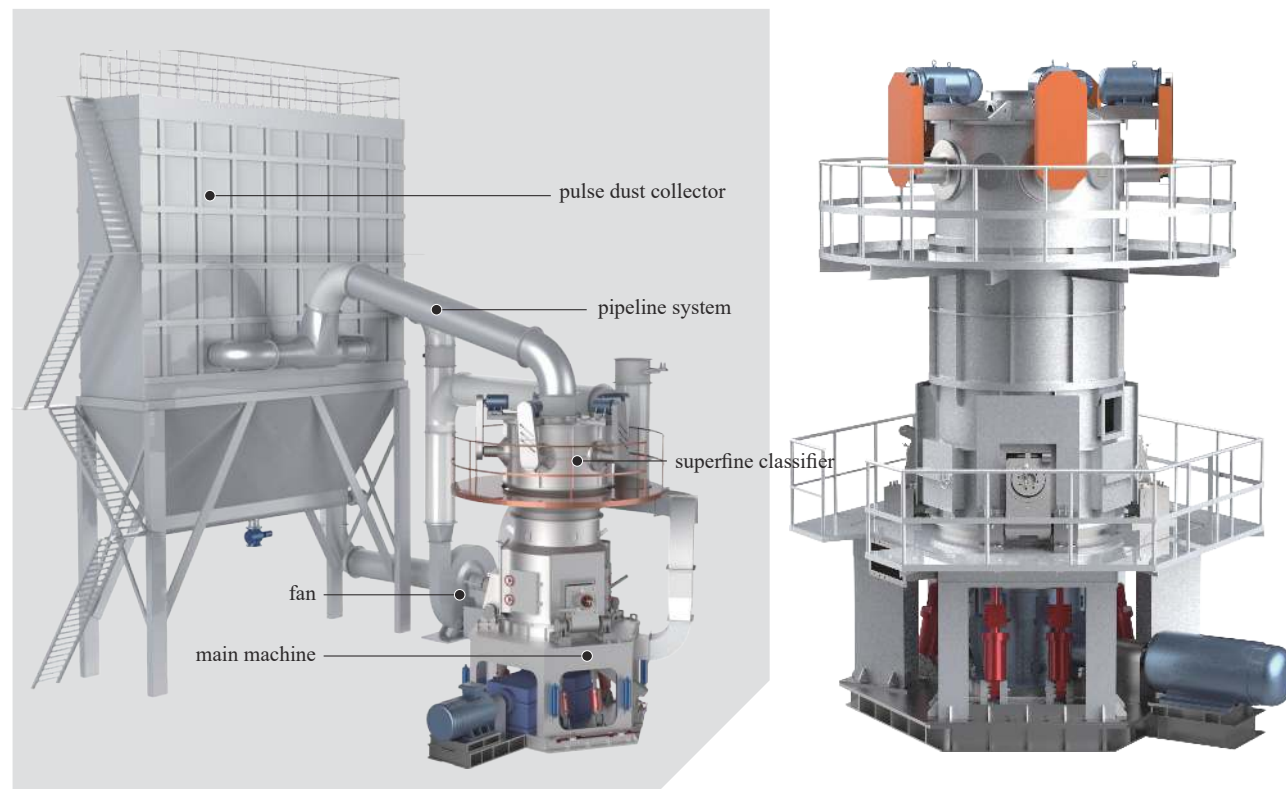
Technical Parameters of Vertical Grinding of Raw Materials

Model	CRLM 1500K	CRLM 1700K	CRLM 2000K
Capacity (t/h)	6~8	10~12	15~22
Maximum Feeding Size (mm)			
Slag Material Moisture (%)			
Specific Surface Area of Product (m ² /kg)			
Product Moisture (%)			
Main Motor Power (kW)	280	400	500

Note: Grindability of Raw Materials (bona) index ≤ 12kW/t



CRLMS series Superfine Vertical Roller Mill



CRLMS superfine vertical roller mill is a type large superfine vertical mill which is suitable for non-metallic ore superfine grinding processing and large-scale production based on the advanced technology of superfine vertical mill from Germany, Japan and Taiwan and combined with our company's nearly 50 years of grinding machine research, development and manufacturing experience. It is composed of superfine grinding, grading and conveying, with a number of independent patent technology and many intellectual property rights, process parameters, mechanical properties of finished product powder quality and many technical indicators to reach the international advanced level.

CRLMS series Superfine Vertical Roller Mill Specifications and Models

Model	CRLMS1200	CRLMS1400
Capacity(t/h)	3.8~12.0	6~16.0
Fineness(Mesh)	325~1250	325~1250
System Power (Main Motor Power+Fan Power +Classifier Electromotor Power +Auxiliary Power)(kW)	560~600	700~750

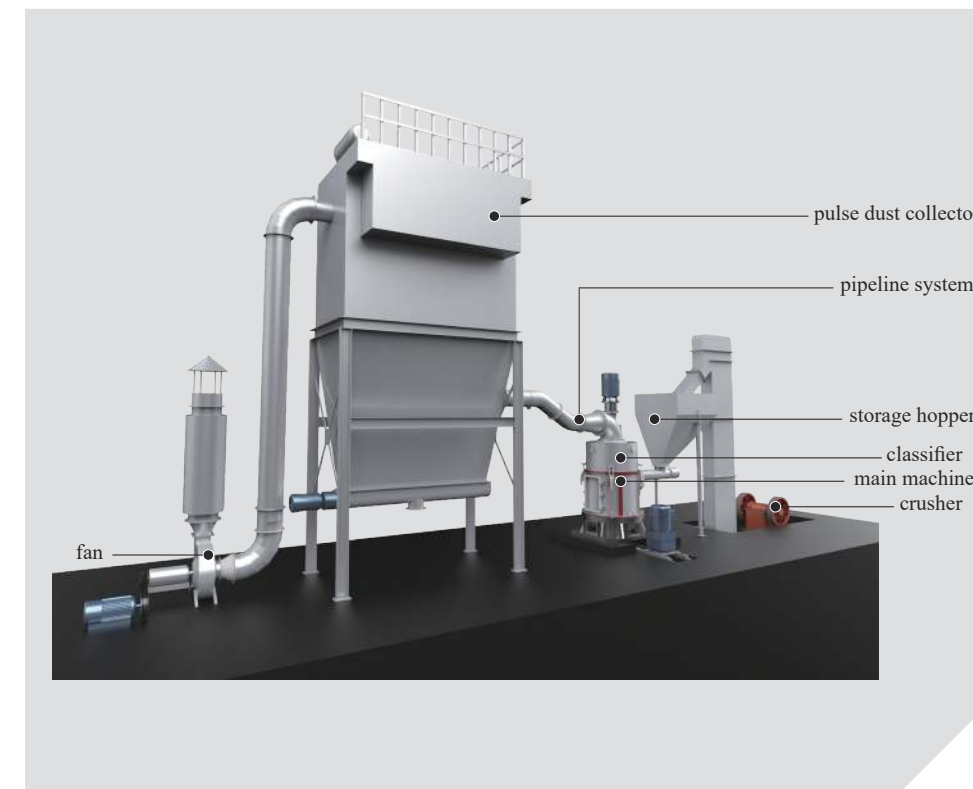
CRLMS1200 Heavy Superfine Calcium Carbonate Data							CRLMS1400 Heavy Superfine Calcium Carbonate Data						
Fineness	Mesh	325	600	800	1000	1250	Fineness	Mesh	325	600	1000	1250	
Capacity(t/h)	t/h	10~12	7.5~8.0	6.5~7.0	5.0~5.5	3.8~4.3	Capacity(t/h)	t/h	15~16	11~12	7.5~8.0	6.0~6.5	
Size Distribution D97	μm	45±1	25±1	20±1	13±1	10±1	Size Distribution D97	μm	45±1	25±1	13±1	10±1	
Specific Surface Area	cm ² /g	6500	10000	12500	14000	16000	Specific Surface Area	cm ² /g	6000	12000	14000	16000	
		±1000	±1000	±1000	±1000	±1000			±1000	±1000	±1000	±1000	

Note: material : calcite or marble, moh's hardness≤3, feeding size≤10mm.

Note: material : calcite or marble, moh's hardness≤3, feeding size≤10mm.



CRMI series Micro Powder Mill



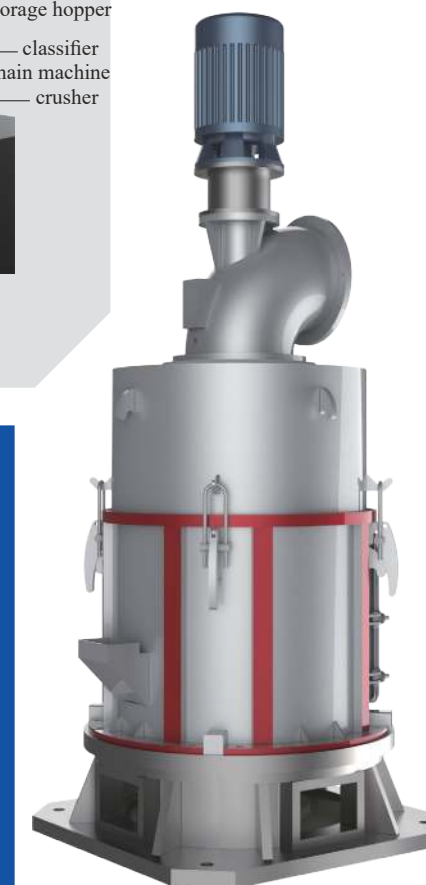
CRMI series micro powder mill is a small and medium-sized micro powder mill developed by our company with nearly 50 years of material processing experience.

Application:

It is mainly used in the chemical industry, building materials industry such as grinding glass, rubber, pesticides, enamel, paint, with Moh's hardness less than seven grades following humidity below 6% and non-flammable and non-explosive materials, such as: talc, barite, manganese ore, iron ore soil, clay, feldspar, mica, etc.

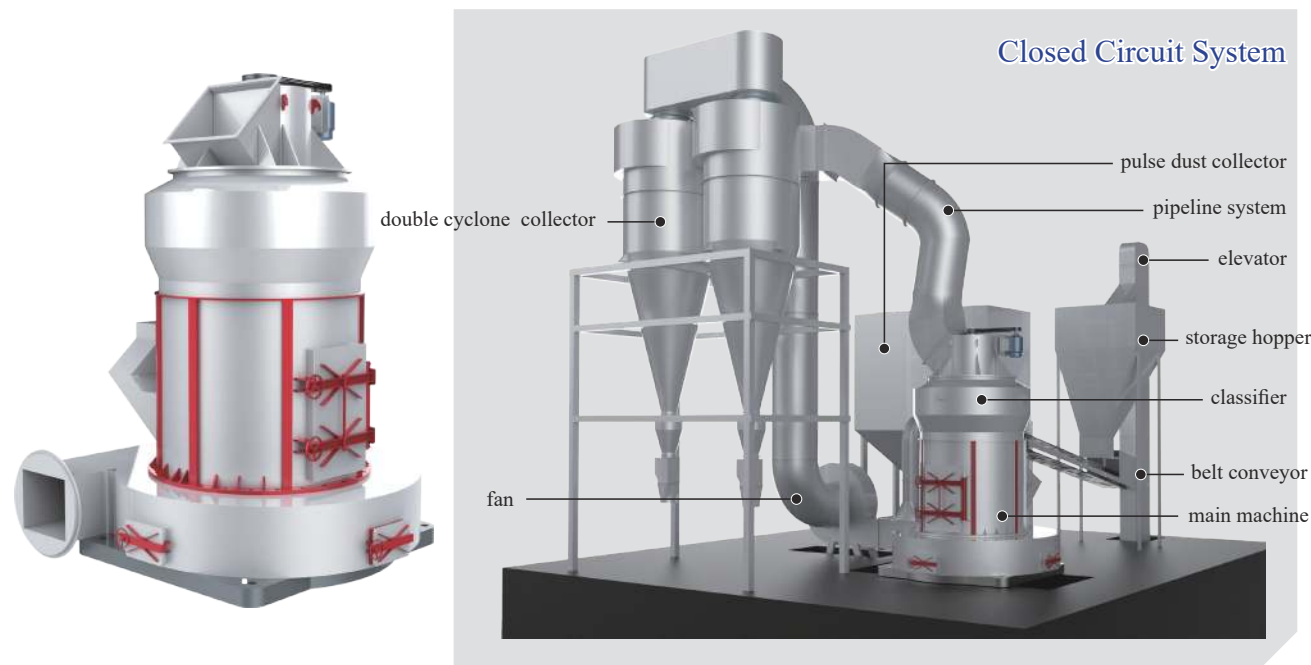
Technical Features:

1. Break through hard materials and powdery materials, and grind the materials such as talc and fly ash.
2. Low cost of equipment wearing parts.
3. Convenient equipment maintenance and easy maintenance replacement of wearing parts.
4. Low energy consumption and high output, for users to create better economic results.



Model	Feeding Size (mm)	Capacity (t/h)	Finished Fineness	Raw Material Moisture (%)	Power (kW)		
					Main Machine	Fan	Classifier
CRMI970	≤20	0.5~3.2	10~80μm	≤6%	45	45	30
CRMI1270	≤20	1~6.5	10~80μm	≤6%	90	90	45

CRRM series Raymond Mill

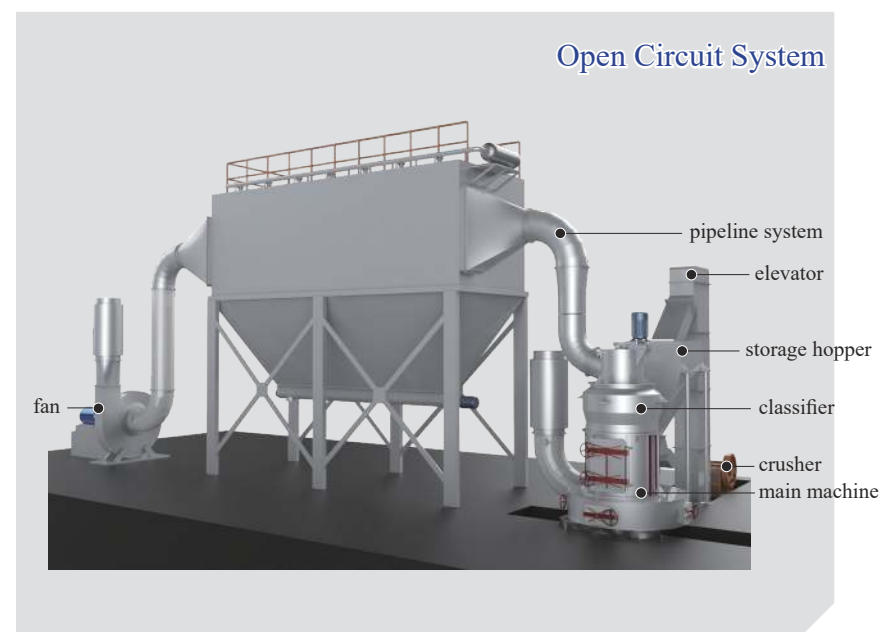


Since Guilin Mining Machinery Factory was build in 1973, CRRM Raymond mill have been our company continuously developing improved products after the introduction of American techniques. As the origin of the early powder equipment manufacturers, cronus brand pendulum mill series win praises from customers with good quality at home and abroad. The find powder size can be adjusted from 80 to 325 mesh and is mainly used in chemical industry such as grinding glass, rubber, pesticides, enamel, paint, phosphate fertilizer, paper, with Moh's hardness less than seven grades following humidity below 6% and non-flammable and non-explosive materials such as: talc, barite, calcite, limestone, manganese ore, iron ore soil, chrome ore, quartz, gypsum, bentonite, etc.

According to user demand CRRM series of Raymond mill, can be improved into powder sand integrated machine,with a variety of performance,to improve the added value of products.

Technical Features

1. Main machine integrated damping optimization design, reduce vibration.
2. The main machine breaks the traditional structure, innovation optimization design, high overall strength, good rigidity, reliable operation, grinding efficiencygreatly improves.
3. The main machine reducer is a new type of heavy-duty reducer, which is resistant to earthquake and has good stability.
4. Fan valve electric or pneumatic control.
5. Adopt integral fan, easy installation and maintenance.
6. More stable operation, high output, low noise, energy saving, environmental protection.
7. Intelligent Control: One key start, arbitrary adjustment, one key stop, failure warning.



Technical Parameters of Pendulum Mill

Model	Maximum Feeding Size(mm)	Particle Size Of The Finished Product(mm)	Overall Dimensions (Length * Width * Height)mm (not include dust collector)	Capacity (t/h)	Power(kW)		
					Main Machine	Fan	Classifier
4R3220	20	0.045~0.18	6950×4570×8295	1~6	45	45	15
CRRM1280	20		8400×5650×8200	1.5~10	55	55	15
5R4128	20		8660×6050×9250	2~15	90	90	22
CRRM1500	20		8700×5500×9250	3~18	110	110	22
CRRM1620A	30		9670×5570×10550	5~22	160	132	30
CRRM1700	30		9670×5570×10550	6~28	185	160	37
CRRM1850	30		10455×6830×9815	6.5~30	200	200	37
CRRM1920	30		13312×7690×9815	7.5~33	220	200	45
CRRM2150	30		11080×7600×11150	10~40	250	250	45
CRRM2500	35		11480×7730×11250	11.5~50	280	280	45

Note: The output in the table is mainly limestone, and the output varies with different raw materials, different ore belts, and different densities.

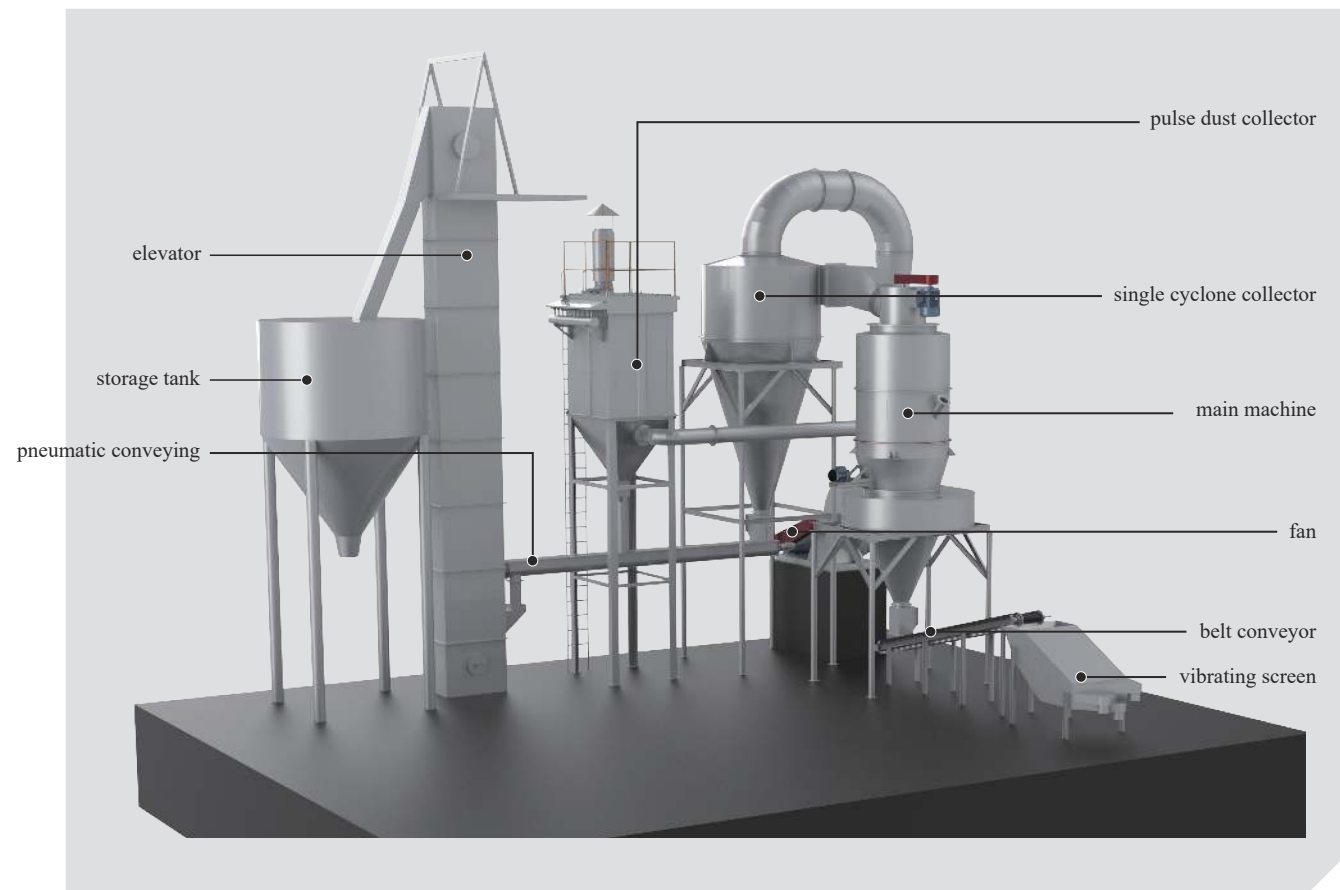


New Mill Roller Assembly with "Maintenance-Free" Device

1. Adopt new sealing structure with wear compensation,more reliable.
2. Maintenance interval is longer and maintenance cost is lower.

Model	Capacity(t/h)	Refilling Grease Cycle(h)	Time Cost for Refilling Grease(h)	Grease Amount Each Time Refilling (kg)
4R3216/3220 CR1280	3/3.7/5.3	480	2~3	1.5
5R4128/4125	8/7.8	480	2~3	2
CRRM1620A	12.1	480	2~3	3
CRRM1850	18.8	480	2~3	4
CRRM1920	20.5	480	2~3	4
CRRM2150	22.5	480	2~3	4.5
CRRM2500	28.6	480	2~3	5

Separator for Sand Making Line

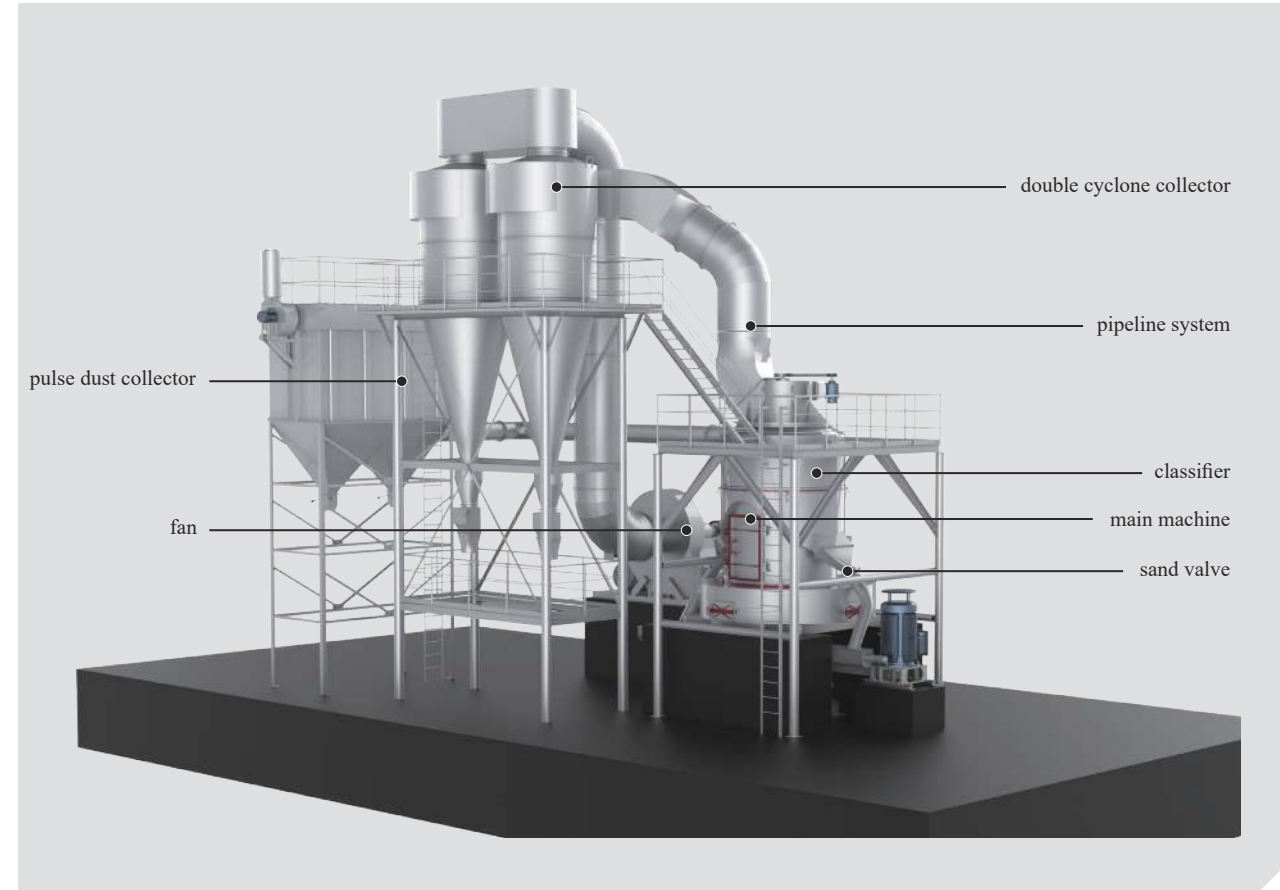


It is mainly used in chemical industries such as glass, rubber, pesticide, enamel, paint, phosphate fertilizer, papermaking, with Moh's hardness less than seven grades following humidity below 6% and non-flammable and non-explosive materials such as talc, barite, calcite, limestone, manganese ore, iron ore, chromium ore, quartz, gypsum, bentonite, etc.

Technical Features

1. Less land area, saving investment.
2. Adopt high pressure centrifugal fan, big conveying capacity, blower adopts integral and circulating water cooling.
3. Used a single cyclone collector.
4. Used turbine classifier to improve classification accuracy.

Improved Multifunctional Integrated Machine for Sand Making and Powder Producing



It is mainly used in chemical industries such as glass, rubber, pesticide, enamel, paint, phosphate fertilizer, papermaking, with Moh's hardness less than seven grades following humidity below 6% and non-flammable and non-explosive materials such as talc, barite, calcite, limestone, manganese ore, iron ore, chromium ore, quartz, gypsum, bentonite, etc.

Technical Features

1. This model can respectively realize sand and powder production respectively with high output.
2. Less land area, saving investment.
3. Adopt high pressure centrifugal fan, big conveying capacity, blower adopts integral and circulating water cooling.
4. Used parallel double cyclone collector, high collection efficiency.
5. Turbine classifier to improve classification accuracy.
6. Grinding roller assembly: adopt floating sealing, better sealing effect.
7. Self-made reducer, smooth operation, low maintenance and repair cost.

CRGM series Ring Roller Mill



CRGM Ring Roller Mill is a new type of superfine grinding equipment developed by our company with years of research and development and combining the advantages of Ring Roller Mill on the market. CRGM ring roller mill has the characteristics of high output, low energy consumption, reduced production cost, easy maintenance, etc. It is a ideal model of domestic dry superfine grinding equipment.



Technical Features

1. Structural innovation compared with domestic similar ring-roll mill products, the crushing pair adopts a combined structure, and the transmission main shaft adopts a polygonal rhombus structure.
2. Large crushing ratio and high energy utilization rate, calcium carbonate particles with feed particle size < 10mm can be processed into micro powder less than 10 μ m at one time (the standard of passing rate is 97%), with high content of fine powder and large specific surface area of the product.
3. The product has good granularity and stable performance. The CRGM ring roller mill is currently the ideal equipment for the dry production of non-metallic mineral fines. The main engine is equipped with a built-in grading mechanism, the grading wheel structure is unique, the grading effect is good, the powder particles are concentrated, and there is no large particle pollution.
4. Small wear and good shock absorption, the grinding ring is made of special wear-resistant alloy steel. The service life is increased by 2 to 3 times. The base of the main engine adopts an integral cast steel structure with high structural strength and good shock absorption performance.
5. Low noise and dust-free, the equipment runs smoothly and vibrates slightly.

Mesh (D97)	CRGM1000X	CRGM2000X	CRGM3000X
	Capacity (kg/h)	Capacity (kg/h)	Capacity (kg/h)
800	2500~2800	4000~4500	5500~7000
1250	1500~1800	2500~2800	3500~4000
1500	1000~1300	1600~2100	2500~3000
2000	650~750	1100~1600	1500~2000
2500	600~650	900~1300	1100~1500
Total Power(kW)	152kW	237kW	287~340kW

Mesh (D97)	CRGM3000C	Mesh (D97)	CRGM1000C
	Capacity (kg/h)		Capacity (kg/h)
200	13000~15000	400	5500~6200
325	11000~12000	600	4000~4500
400	9000~9500	800	3600~4300
600	6500~7500	1250	1800~2300
800	6000~6500	/	/
Total Power (kW)	280kW	Total Power (kW)	237kW



CRS series Sand Making Machine



Technical Features

1. The unqualified tailing powder produced in the sand making process is directly processed into fine powder that meets market demand (such as: 150 mesh, 200 mesh, 325 mesh, etc.), effectively reduced material waste and increased enterprise benefits.
2. Large output of a single machine; Uniform particle size of finished product; Good shape of sand grains; Reasonable grade allocation of sand grains; Strong fluidity of sand grains.
3. High-efficiency sand making system is adopted to strictly control the output of unqualified products. High yield and greatly reduce material waste.
4. Used pre-sorting sieve is adopted to effectively reduce the working intensity of the vibrating screen, improved the screening efficiency and prolonged the service life of the screen.
5. Using the self-developed high-precision winnowing system, products with different powder contents can be produced according to customer demand.
6. With the circular sand making system, the moisture of the material can be fully volatilized during the processing. The high-moisture material can be processed directly without drying and effectively reduced the drying cost and pollution discharge.

Model	Feeding Size (mm)	Main Machine Power (kW)	Capacity (t/h)	Overall Dimensions (m)	Particle Size Of The Finished Product (mm)
CRS50A	≤40	200	50~80	14*10*15	0.15~5
CRS80A	≤40	355	80~120	19*12*16	0.15~5
CRS100A	≤40	450	120~180	18*15*20	0.15~5

Model	Feeding Size (mm)	Main Machine Power (kW)	Capacity (t/h)	Overall Dimensions (m)	Particle Size Of The Finished Product (mesh)
CRS20B	≤40	90	6~12	9.5*8*13	20~150
CRS40B	≤40	160	12~20	14*10*15	20~150
CRS50B	≤40	200	15~40	14*10*15	20~150
CRS80B	≤40	315	30~60	19*12*16	20~150
CRS100B	≤40	450	50~80	18*15*20	20~150

Environment-friendly Production Line of High-quality Slaked Lime Powder ,Automated Production Line of Gray Slaked Lime Powder(Ordinary and Medium quality Slaked Lime Powder)



New type Separator



Slaked Lime Filter Milling Machine



New type Quick Lime Slaker



Technical Features

1. In the production line, raw materials, finished products and waste residues will not fall on the ground.Each storage and equipment is conveyed by pulse negative pressure.
2. The production process can be customized according to the content of different raw materials, the purity and fineness of the finished powder and the application field of the powder.
3. Calcium oxide is converted into calcium hydroxide powder with high capacity and less waste residue. It can produce high, medium and low quality finished powders and improved the competitive advantage.
4. Production lines of Intelligent, centrally controlled and less laborcan be started with one key and partitioned, and automatically stops in case of failure, prompting maintenance in time.

Technical Features

1. Small footprint and use space.
2. Low maintenance cost and soft connection at module point.
3. Unique high-speed separation and collection, the fineness of 720 mesh sieve can reach more than 95%, with the high digestibility production process and have a good physical purification function.

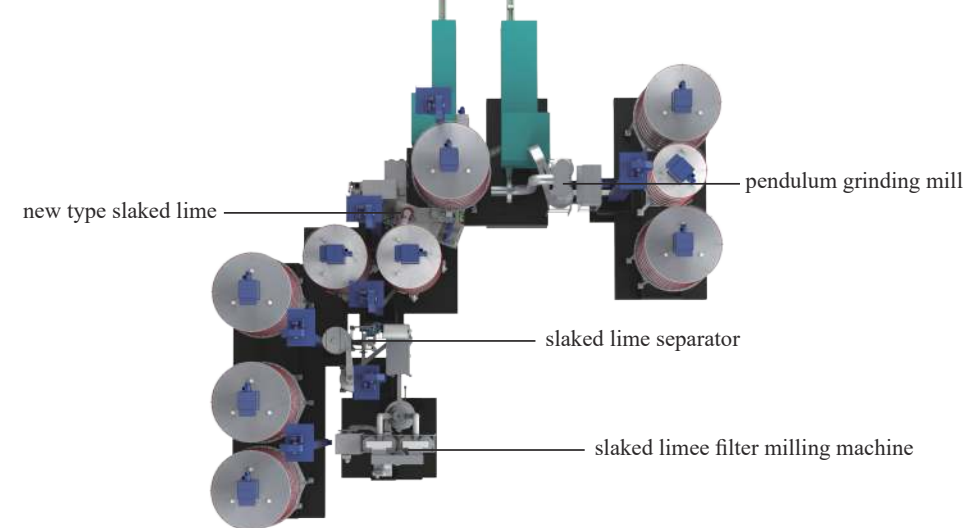
Technical Features

1. Raw material powder smaller than 5MM can be directly processed with the function of strengthening the powder selection system and coarse particle grinding. Dischargeable particles (calcium oxide/calcium carbonate/impurities) will not affect powder purity.
2. High reliability, stable operation, PLC intelligent control, low requirements for operators.
3. Four models with high output (5~20t/h).

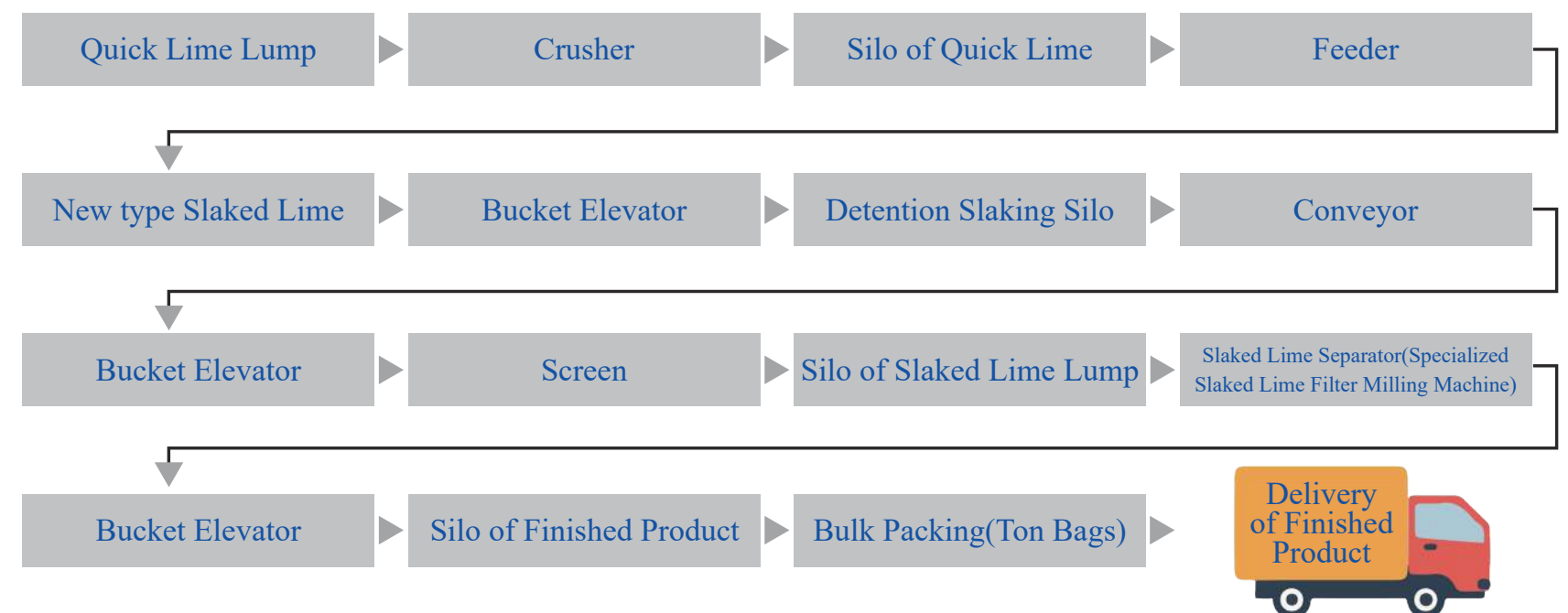
Technical Features

1. The system is double guaranteed with pulse dust collector and water mist dust collector. When the filter bag is damaged, it can also avoid immediate shutdown and off-peak maintenance and repair.
2. Each working shaft is equipped with an independent dedicated reducer and motor, which ensures stable operation.
3. Accurately weighed dosing and metered water distribution.
4. Thewater mist dust collector of a patent can effectively recover heat. While promoting the digestion of water, it also has the function of dust removal. The inner wall of the warehouse is equipped with a special cleaning nozzle, which effectively avoids the problem of dust adhesion and calcification.

Calcium Oxide / Calcium Carbonate Site



Slaked Lime Powder / Ash-Calcium-Powder Site



Jaw Crusher



The PE jaw crusher manufactured by our company adopts high-quality high manganese steel casting, which is light in weight, high in strength and rigidity, and low in energy consumption. It not only greatly reduces equipment operating costs, but also has large feed particle size and uniform product particle size.

Technical Features

1. Classic design, excellent manufacturing technology and materials, durable.
2. Proper cavity design.
3. The adjustment of the discharge port is convenient and flexible.
4. Various of jaw plates are available.
5. Choose the most durable bearings.
6. High quality cast steel movable jaw assembly.

Model	Maximum Feeding Size (mm)	Adjustment Range of Discharge Port (mm)	Capacity (t/h)	MotorPower (kW)	Weight (t)	Overall Dimensions (Length * Width * Height) (L * W * H)
CR-PE-150×250	125	10~40	2~6	5.5	1	900×750×950
CR-PE-250×400	210	20~60	8~16	15	3	1450×1280×1300
CR-PE-400×600	350	40~100	20~40	30	6	1700×1700×1650
CR-PE-500×750	400	50~120	30~80	45	11	2000×1950×1900
CR-PE-600(A)×900	425	60~130	45~95	55	12.5	2200×1960×1950
CR-PE-600×900	480	75~200	80~200	75	18	2400×2230×2400
CR-PE-700×1000	550	80~210	90~240	75	19.5	2400×2280×2400
CR-PE-750×1060	630	80~235	120~300	90	26	2500×2370×2780
CR-PE-900×1200	750	96~265	280~500	110	45	3200×2820×3260
CR-PE-1100×1400	900	120~260	350~750	200	75	3850×3050×4000
CR-PE-1200×1500	1020	150~300	700~950	250	85	4050×3150×4200
CR-PE-1300×1600	1200	220~550	800~1200	355	122	5100×4700×4300
CR-PE-1500×1800	1250	280~650	1000~1400	500	169	5600×5020×4950
CR-PEX-150×750	120	10~40	8~25	15	3.1	1320×1570×1050
CR-PEX-150×1000	140	15~45	12~35	22	5	1400×1810×1250
CR-PEX-200×1000	160	15~50	12~40	22	5	1530×1810×1250
CR-PEX-250×750	210	20~60	15~40	30	5.5	1480×1710×1470
CR-PEX-250×1000	210	20~60	20~50	30	6.5	1530×1920×1380
CR-PEX-350×750	300	20~60	30~80	30	7.5	1650×1850×1640
CR-PEX-200×1200	200	20~60	30~100	37	8.5	1650×2150×1460
CR-PEX-250×1200	210	20~60	40~120	45	8.5	1650×2150×1460
CR-PEX-300×1300	250	20~90	60~180	55	11	1870×2400×1730
CR-PEX-350×1500	300	20~90	80~220	75	15	1900×2660×1830
CR-PEX-600×1500	550	45~120	120~260	90	22	2200×750×2200

Hammer Crusher



Hammer crusher, also known as hammer break, box crusher and hammer machine, is an energy-saving and high-efficiency stone crusher. The PC series hammer crusher achieves crushing through the collision between the high-speed rotating hammer head and the stone and the mutual impact between the materials. Hammer crusher has the characteristics of simple structure, high efficiency and high capacity. PC hammer crusher is widely used in dry and wet crushing, medium and low hard material crushing (such as coal, limestone, etc.), mining, cement, coal, metallurgy, building materials, road construction, petroleum and chemical industries.

Working Principle

The PC series hammer crusher is driven by the hammer head to make high-speed circular motion under the drive of the motor on the rotor plate with the hammer head. When the material enters the crushing cavity, it is hit by the high-speed rotating hammer, and the material is shot to the impact plate at a high speed, and the frictional impact between the high-speed flying materials is broken. Materials that meet the particle size requirements are discharged from the specified sieve holes. The materials that have been crushed once but the particle size does not meet the requirements will be crushed again by the hammer with the new incoming materials. When the extra-large material enters the crushing cavity, the pre-placed stretcher blocks the upper part of the crushing cavity, and then falls into the lower crushing cavity after being crushed into medium and small pieces to prevent other working parts from being damaged when the load suddenly increases due to the entry of large materials. It is more safe and stable to break.

Name	Model	Maximum Feeding Size (mm)	Adjustment Range of Discharge Port (mm)	Capacity (t/h)	MotorPower (kW)
PC New Type Hammer Crusher	PC 800×1000	400	20~60	50~80	55
	PC 800×1200	400	20~60	70~90	75
	PC 800×1800	400	20~60	90~120	110
	PC 1000×1000	500	20~80	70~110	75
	PC 1000×1250	500	20~80	80~120	90
	PC 1000×1500	500	20~80	120~160	110
	PC 1000×1800	280	20~100	80~250	110
	PC 1250×2000	600	20~100	160~220	160
	PC 1300×1600	300	20~100	100~280	132
	PC 1600×2000	400	30~200	200~450	200



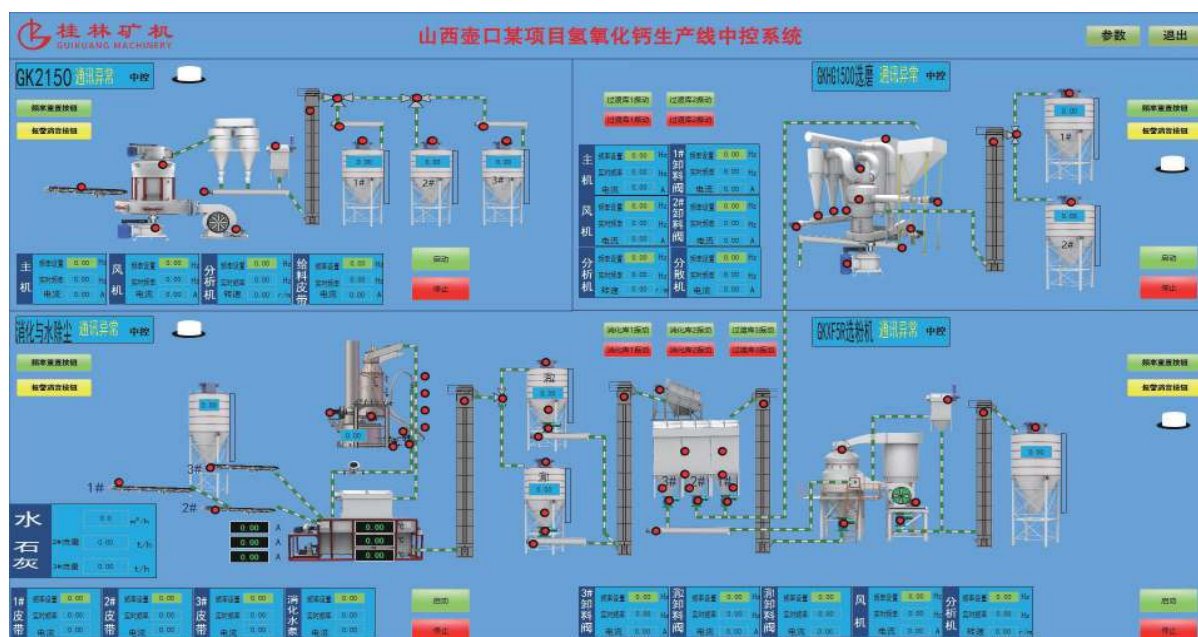
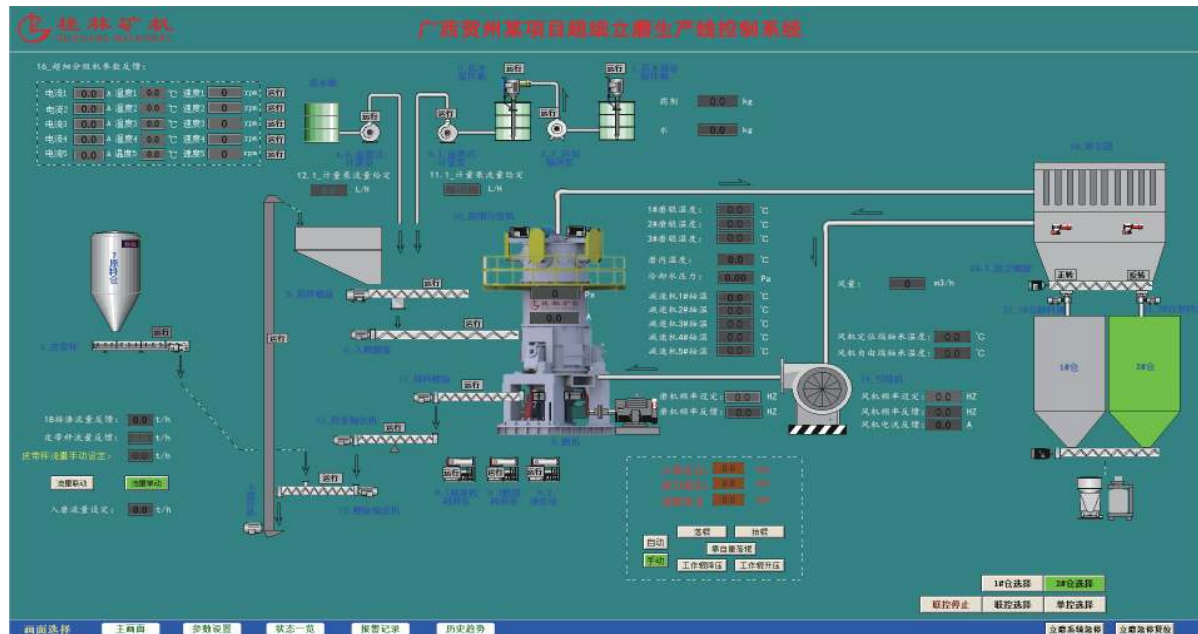
Associated Equipment

			
FU Chain Bucket Elevator	Packing Machine	Silo Pump	Iron Remover
			
Belt Conveyor with Large Angle	Pulse Dust Collector	Electromagnetic Vibrating Feeder	Bucket Elevator
			
Bulk Packing Machine	Closed Quantitative Feeder (Coal Feeder)	Dryer	Air Sideling Chute
			
Air Compressor	Roots Blower	Screw Conveyor	Belt Weigher
			
Blower	Hot-blast Stove	Discharging Valve	Vibrating Ore Washer

Electrical Intelligent Control System



Oversea Client Visit & Inspect



Hydrated Lime production line and raymond mill production line: They are automatically controlled by Siemens PLC, with three modes of on-site manual, on-site automatic and remote DCS control. Under the remote automatic function, the device can start and stop the device with one key, or manually start and stop a single device. The system monitoring adopts the upper computer, collects the operation data, displays it in real time, and implements the control of the field equipment. The hydrated Lime production line can be automatically adjusted and digested according to the setting of the system feeding amount, and the feeding control of the raymond mill production line. They automatically adjust the feeding amount according to the load of the host and the fan. The operation data is transmitted to the central control room through the optical cable. All analog signals use 4~20mA current signal, which has good anti-interference performance.



Bangladesh Client



Pakistan Client



Egypt Client



Morocco Client



Peru Client



Saudi Arabia

Comparison Table for Particle Size and Mesh



In industrial production,generally the particle size analysis of fine powder often adopts the sieving method. The Taylor standard is usually adopted all over the world. The specifications of this series of screens are indicated by "mesh", that is, the number of sieve holes per inch of sieve length. The relationship between sieve mesh and particle sizesas follows:

Sieve Hole Width (μm)	US Standard (no.)	Taylor Standard (mesh)	UK Standard (mesh)	China Standard (mesh)
1	12500	12500		12500
1.3				10000
1.6				8000
2	6250	6250		6250
2.6				5000
5	2500	2500	2500	{2500}
6.5				2000
10	1250	1250	1250	{1250}
15	800	800	800	{800}
20	625	625	625	{625}
23				600
25	500	500	500	{500}
32{33}	425	425	425	{425}
38	400	400	400	{400}
*40				{360}
45	325	325	325	{325}
53	270	270	270	{280}
{56}				{260}
*63	230	250	250	{250}
< (74) >		200		< 200 >
*80				180
< 86 >				160
88	170	170		
*90			170	{170}
< 101 >				140
(104)		150		
*106	140		150	{145}
< 121 >				< 120 >
(124)		115		
*125	120		120	{120}
*150 (147) < 152 >	100	100	100	100
*180 (175) < 196 >	80	80	85	80
(208)		65		
*212	70		72	
224	65	62	66	
*250 (246) < 272 >	60	60	60	60
(295)		48		
*300	50		52	
(351)		42		

Sieve Hole Width (μm)	US Standard (no.)	Taylor Standard (mesh)	UK Standard (mesh)	China Standard (mesh)
*355	45		44	
(417)		35		
*425	40		36	
< 442 >				40
*500 (498)	35	32	30	
(589)		28		
*600	30		25	
(701)		24		
*710	25		22	
(833)		20		
*850	20		18	20
< 920 >				< 20 >
*1000	18		16	{16}
*1180		14		{14}
1397		12		12
1651		10		10
1981		9		9
2362		8		8
2794		7		7
3327		6		6
3962		5		5
4699		4		4
6680		3		3
7925		2.5		2.5

Note: Those with * are international standard mesh widths; The ones in {} are Chinese standards; The ones in <> areShanghaistandards; The ones in () areTaylor standard.

Hardness and Grindability of Commonly Used



Material	Density	Moh's Hardness	Materials	Material	Density	Moh's Hardness	Materials
石墨(Graphite)	2.1 ~ 2.2	1	1	炉渣(Slag)	2 ~ 2.5	3~4	2
滑石(Talc)	2.7 ~ 2.8	1	1	白云石(Dolomite)	2.8 ~ 2.9	3.5~4	2
石膏(Gypsum)	2.3	1.5~2	2	萤石(Fluorite)	3~3.2	4	2
高岭土(Kaolin)	2	2	1	硅藻土(Diatomite)	2~3	4	2
伊利石(Glimmerton)	2	2	1	粉煤灰(Coal ash)	2	4~5	2
膨润土(Bentonite)	2	2	1	叶腊石(Pyrophyllite)	3	4~5	2
方解石(Calcite)	2.6 ~ 2.8	2~3	1	磷灰石(Apatite)	3.2	5	3
石灰石(Limestone)	2.6 ~ 2.8	2~3	1	钾长石(Potash feldspar)	2.6 ~ 2.8	5	2
煤矸石(Gangue)	2 ~ 3	2~3	1	硅灰石(Wollastonite)	3	5	2
麦饭石(Medical stone)	2	2~3	2	水渣(Grain slag)	2.6~3	5	2
沸石(Zeolite)	2.3 ~ 2.5	3	1	正长石(Orthoclase)	2.5 ~ 2.6	6	3
煤(Coal)	1.6	3	2	石英(Quartz)	2.5~2.8	7	3
云母(Mial)	2 ~ 3	3	2	兰晶石(Kyanite)	3.2 ~ 3.7	7~7.5	3
绢云母(Grey marble)	2 ~ 3	3	2	氧化铬(Chromium hemitrioxide)	3 ~ 4	8	3
重晶石(Barite)	4.3 ~ 4.7	3~3.5	2	金刚石(Diamond)	3.5	10	3



Vertical Roller Mill Sites



Coal Ash Powder Site



Water Slag Site



Slag Powder Site



Superfine Calcium Carbonate Site



Artificial Granite Site



Secondary Grading System

Superfine Vertical Roller Mill Site



Slaked Lime Separator



Slaked Lime Filter Milling Machine



Quick Lime Slake



Slaked Lime Powder and Quicklime Powder Site



Preheat Water Mist Dust Collector



Quick Lime Powder mill

