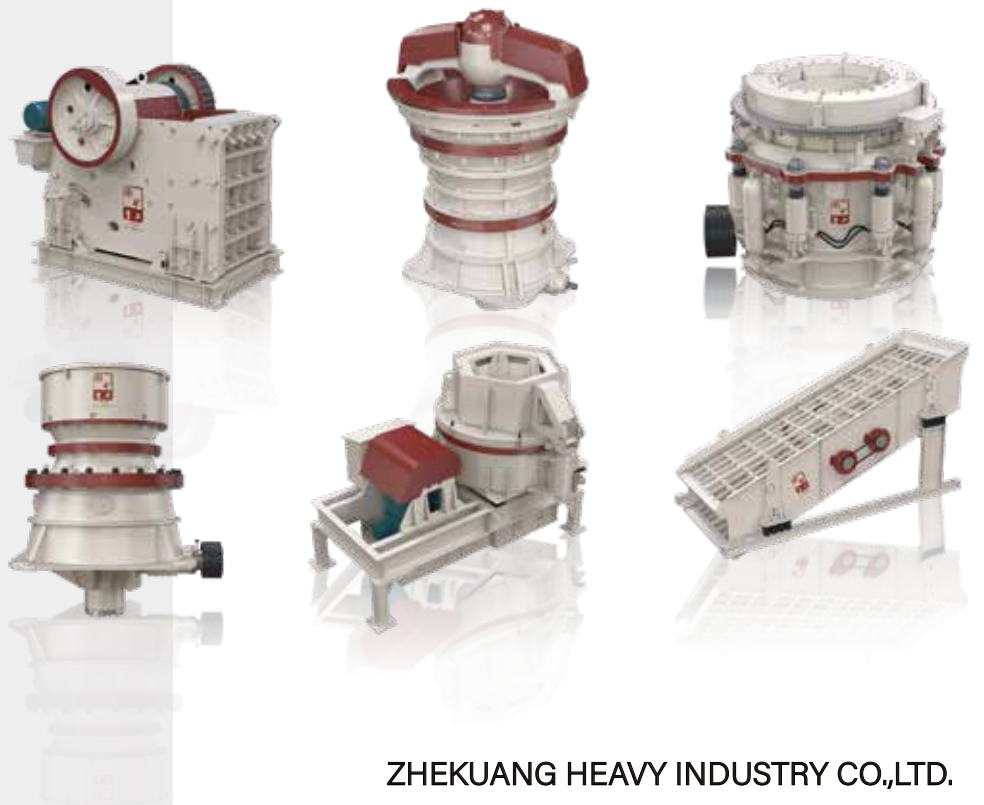




ORMAISE





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EMPHASIS ON TALENT TEAM BUILDING, EMPHASIS ON TECHNICAL RESEARCH AND DEVELOPMENT. DETERMINED TO BECOME A WORLD-CLASS "GLOBAL SUPPLIER OF GREEN MINING EQUIPMENT"

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COMPANY PROFILE

Zhekuang Heavy Industry Co., Ltd. was established in 2003 and listed on the Shenzhen Stock Exchange Growth Enterprise Board (stock code 300837) in 2020. It is the first listed company in the domestic sand and gravel equipment industry. The company's leading products include large-scale mining machinery and equipment, resource recycling and utilization equipment, etc. It is a comprehensive enterprise that integrates the development, production, sales, operation, and after-sales service of green and intelligent equipment. It can achieve independent research and development, production and manufacturing of core equipment throughout the entire industry chain, including complete sets of equipment and intelligent management systems, and provide customers with full process and lifecycle services covering project investment, equipment supply, and EPC+O.

The company has been rated as National High-tech Enterprise, Specialized and Innovative Small Giant Enterprise, and National Intellectual Property Demonstration Enterprise, leading and participating in the drafting of multiple standards. The core technology of the complete set of equipment has been granted more than 200 patents, including 70 invention patents (including 1 US patent). The product has been widely used in the domestic and foreign construction aggregate mining markets. The intelligent software technology developed, such as the "Green Mine Intelligent Management System", has been authorized with 13 computer software copyrights and can achieve remote data collection and analysis of equipment. The company has established the Zhejiang Enterprise Research Institute, Provincial R&D Center, Zhejiang Postdoctoral Workstation, and Academician Expert Workstation, and have successively undertaken the implementation of major projects such as the National Science and Technology Innovation Fund for Small and Medium sized Enterprises, the National Torch Program, the Zhejiang Major Science and Technology Special Project, and the Zhejiang Cloud Engineering and Cloud Service Project. Selected in the "Catalogue of Advanced and Applicable Technologies for Mineral Resource Conservation and Comprehensive Utilization (2022 Edition)" by the Ministry of Natural Resources and the "Excellent Solution for Industrial Internet APP" by the Ministry of Industry and Information Technology in 2022. Has won honors such as National Key New Product, Zhejiang Province Science and Technology Award, Zhejiang Province Manufacturing Excellence, and Zhejiang Province's First (Set) Product.



CORPORATE CULTURE

The company's products have complete models and specifications and superior quality, and have been widely used in various industries such as mining, building materials, metallurgy, water conservancy and hydropower. To ensure product quality, the company took the lead in passing the certifications of ISO 9001 quality management system, ISO 14001 environmental management system, ISO 45001 occupational health and safety management system and intellectual property management system in the same industry, and is rated as "AAA Credit Rating Enterprise" and "Three-Level Safety Production Standardization Enterprise".



Business Administration

To be the world's top supplier of green mining equipment



Management Philosophy

Concentrate on the development and construction of mining, strive to build a century-old enterprise that is successful in investment, management, and culture



Operation Philosophy

Pursuing excellent technology, casting excellent products, and providing first-class service



Service Purpose

Respectable, credible, co-creation, cooperation, win-win

DEVELOPMENT COURSE

FUTURE

Zhekuang Renewable Resources Production and Research Center



Branch 2



Branch 1



Company site 2



Company site



Zhekuang Heavy Industry will continue to carry forward the enterprise spirit of "Make Every Effort, Strive For Truth", achieve leapfrog development, and strive to create a "Centurial Zhekuang" with successful investment, management and culture

2020

Listed on the GEM of Shenzhen Stock Exchange (stock code 300837), The first listed company in the gravel equipment industry

2013

Carried out joint-stock reform and changed its name to Zhekuang Heavy Industry Co., Ltd

2009

Successfully developed China's first high-speed rolling bearing cone crusher

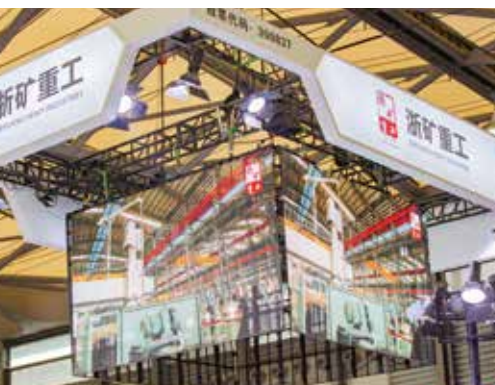
2003

Changhong Luqiao Mining Machinery Equipment Co., Ltd. was established (predecessor of Zhekuang)

1983

Heping Metal Forging Factory was established

MAJOR EVENTS



PRODUCTION EQUIPMENT





QUALIFICATION CERTIFICATE



PATENT CERTIFICATE



CJ Series Jaw Crusher



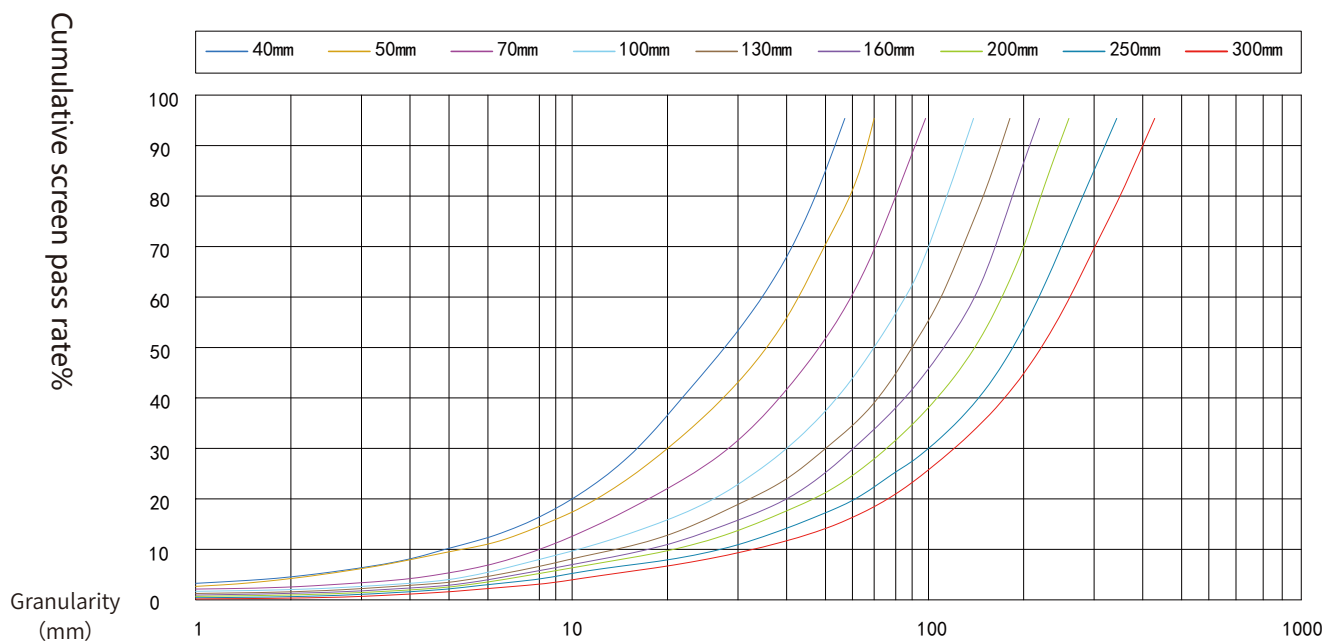
PRODUCT FUNCTIONS

CJ Jaw Crusher series is widely used in the primary crushing of various mines, and can crush various stones with a hardness not greater than 320MPa.

WORKING PRINCIPLE

The CJ Series Jaw Crusher adopts the working mode of the crank extrusion type. The motor drives the pulley to drive, and the movable jaw moves back and forth and up and down through the eccentric shaft. When the movable jaw rises, the angle between the toggle plate and the movable jaw becomes larger, thereby pushing the movable jaw to approach the fixed jaw, and at the same time, the material is crushed or chopped to achieve the purpose of crushing; when the movable jaw moves down, the angle between the toggle plate and the movable jaw becomes smaller, and the movable jaw leaves the fixed jaw under the action of the pull rod and the spring, and the crushed materials are discharged from the lower opening of the crushing chamber. With the continuous rotation of the electric motor, the movable jaw of the crusher will do periodic motion to crush and discharge the materials to realize mass production.

DIAGRAM



Note: This curve graph is related to various factors such as the properties of different materials, crushing chamber types, eccentricity, etc. It is used as a reference.



PRODUCT FEATURES

1. Modular design and non-welding structure make the structure light and strong, and the impact resistance is stronger;
2. High-quality bearings with large specifications, longer product life, and more guaranteed quality;
3. The eccentric shaft is made of heavy-duty forged alloy steel, and the front and rear frames are made of high-strength cast steel;
4. The optimized crushing mechanism optimizes the nip angle and stroke and improves the crushing ratio;
5. The higher speed increases the throughput and the times of material crushing, thus greatly increasing the production capacity;
6. Realize quick adjustment of the discharge opening, both hydraulic and mechanical can be adjusted by wedges from both sides;
7. Easy maintenance and installation, low operating cost;
8. Widely applicable and can be used in various mobile crushing stations.

TECHNICAL PARAMETER

Model	Feed size (mm)	Power (kw)	Discharge port size (mm)														Weight (kg)			
			Open Circuit Yield (t/h)																	
			40	50	60	70	80	90	100	125	150	175	200	225	250	275		300		
CJ80	800X510	75	80-105	100-120	120-155	145-190	165-215	190-245	205-270	265-345	315-405	365-475						11500		
CJ100	1000X750	132				190-265	215-280	240-305	270-350	330-430	395-515	465-600	525-680					24800		
CJ110	1100X850	160				240-315	265-345	295-380	320-415	390-505	465-600	530-690	600-780					33600		
CJ125	1250X950	200								365-475	440-570	515-670	590-765	665-865	740-965	815-1055		43700		
CJ140	1400X1070	250									480-625	570-740	650-845	740-955	820-1065	905-1180		55000		
CJ160	1600X1200	315										650-845	754-970	845-1100	940-1220	1030-1340	1125-1465	1225-1595	82000	
CJ180	1800X1300	400											850-1070	950-1200	1040-1320	1130-1450	1220-1560	1325-1695	105000	
CJ200	2000X1500	500												950-1240	1070-1390	1180-1540	1300-1690	1415-1840	1530-1990	147000

Note: The above data is based on the loose bulk density of 1.6t/m³, and the feeding material that can enter the crushing chamber smoothly. The processing capacity in the table is the instantaneous maximum processing capacity, and changes according to the material properties, feeding method, water content, mud content, and other physical properties of the material. The discharge opening is defined as the distance from the bottom of the tip of the tooth to the top of the tip of the other jaw.

ZK Series Gyrotory Crusher



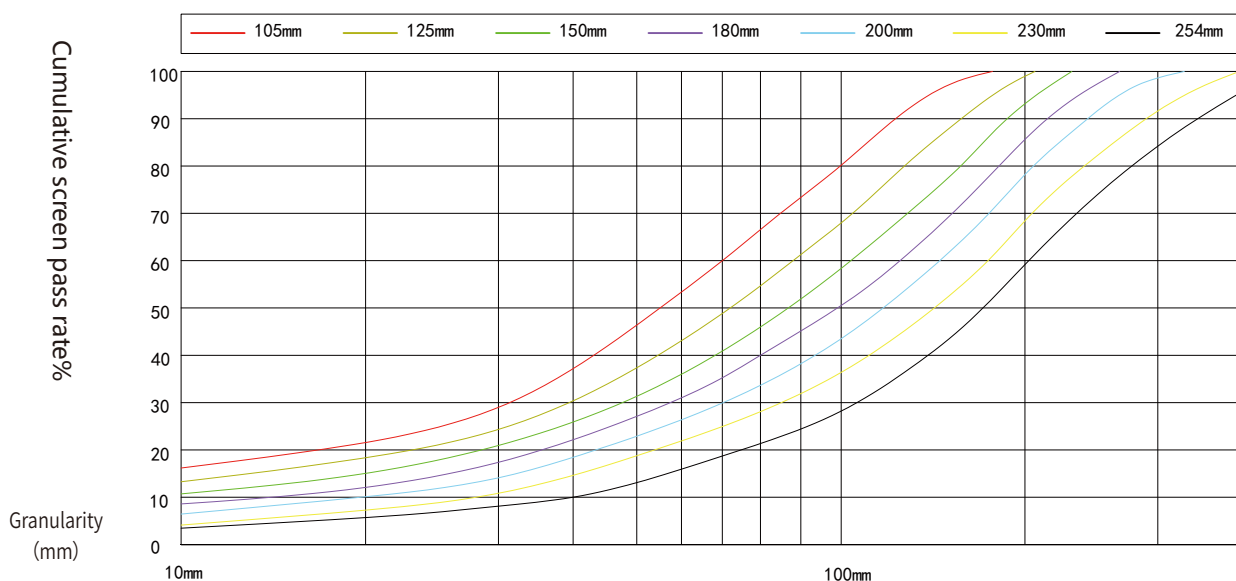
PRODUCT FUNCTIONS

Gyrotory crusher is suitable for the primary crushing of various rocks and ores. Compared with other primary crushing equipment, it has the characteristics of large processing capacity, high crushing efficiency, large crushing ratio, uniform product size, low energy consumption, uniform wear in the crushing chamber, etc., and is suitable for use under the conditions of large-scale production.

WORKING PRINCIPLE

Gyrotory crusher is suitable for the primary crushing motion of the crushing cone in the cone cavity in the frame to squeeze, split and bend materials, and roughly crush ores or rocks of various hardness. Its main shaft is located on the piston in the hydraulic cylinder. Changing the volume of hydraulic oil under the piston can change the upper and lower positions of the crushing cone, thereby changing the size of the discharge port. When overloaded, the downward pressure on the main shaft increases, forcing the hydraulic oil under the piston into the accumulator in the hydraulic transmission system. The crushing cone is then lowered to enlarge the discharge port, and the non-broken objects (metal, wood blocks, etc.) that enter the crushing cavity with the material are discharged.

DIAGRAM



Note: This curve graph is related to various factors such as the properties of different materials, crushing chamber types, eccentricity, etc. It is used as a reference.



PRODUCT FEATURES

1. The crushing cavity with a large inclination angle and the long crushing surface can realize continuous crushing, thereby improving efficiency and increasing output;
2. The liner made of special materials gives the crusher a strong crushing capacity and prolongs the life of the liner. The heavy-duty frame, the main shaft and the moving cone adopt an integrated structure design to avoid the loosening of the moving cone during the crushing process, ensuring a longer service life and a safer and more reliable operating state;
3. Spiral bevel gear transmission, high load capacity, stable operation and low noise;
4. Automatically detect the size of the discharge port, and cooperate with the hydraulic system to realize automatic adjustment to ensure the stability of the discharge particle size;
5. Over-iron protection function, the piston accumulator and the one-way valve make the main shaft drop quickly and rise slowly when the crushing chamber enters superhard objects, discharge the superhard objects, reduce the impact, and ensure safe and stable operation;
6. Effective dust-proof sealing, the assembled positive pressure blower ensures that no dust enters the eccentric device;
7. Real-time monitoring of the oil level, oil temperature, oil pressure, flow rate, and position of the moving cone in key parts of the hydraulic and lubrication system, so as to realize a rapid diagnosis and timely repair of faults, and greatly shorten the downtime of faults. Real-time monitoring of transmission shaft bearing temperature, timely detection of abnormal conditions, timely maintenance, and prolonging the service life of bearings. Monitor the material level of the lower silo in real time to prevent the silo from being blocked and ensure the safe operation of the main engine. The Internet function realizes the remote real-time monitoring of the operating status of the equipment, and the historical data can be used for automatic analysis and process optimization.

TECHNICAL PARAMETER

Model	Feed size (mm)	Power (kw)	Discharge port size (mm)								Weight (kg)		
			Open Circuit Yield (t/h)										
			140	150	165	175	190	200	215	230		250	
ZK42-65	1065	400	1385-1585	1630-1830	1850-2050	2070-2300							150000
ZK50-65	1270	450	1480-1890	2035-2350	2475-2675	2610-2810							175000
ZK54-75	1370	630		2355-2585	2655-2885	2845-3055	3035-3245	3205-3500					285000
ZK63-89	1600	800		2400-3620	2910-4195	3110-4330	3490-4510	3550-4770	3650-4900	3805-5580			350000
ZK70-110	1800	1250			4100-5500	4200-5600	4530-6900	4600-7300	4750-7490	5100-8000	6180-11000		570000

RC Series Cone Crusher



PRODUCT FUNCTIONS

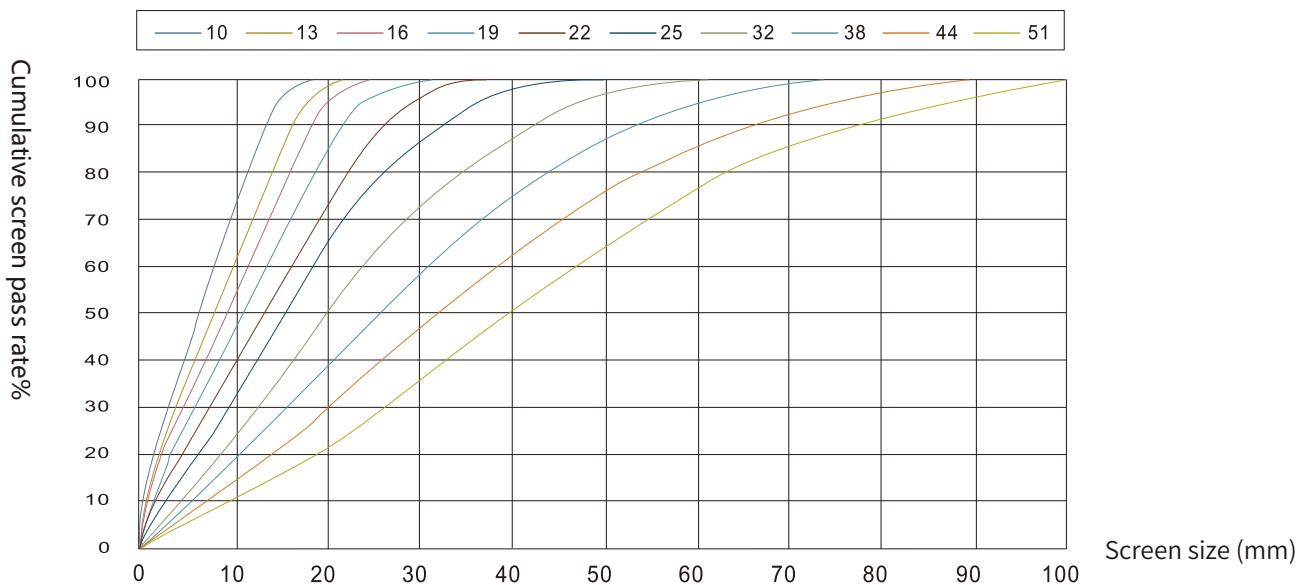
RC Series Cone Crushers are optimized and designed on the basis of absorbing the world's advanced crushing technology, and are widely used in secondary, tertiary or quaternary crushing in mines.



WORKING PRINCIPLE

During the operation of the RC series single-cylinder hydraulic cone crusher, the motor drives the eccentric sleeve to rotate through the transmission device, and the moving cone rotates and swings under the force of the eccentric shaft sleeve. The section of the movable cone close to the fixed cone becomes the crushing cavity, and the material is crushed by the multiple extrusion and impact of the movable cone and the fixed cone. When the moving cone leaves this section, the material that has been broken to the required particle size falls under its own gravity and is discharged from the bottom of the cone. The size of the discharge port is adjusted by the lifting of the hydraulic cylinder at the bottom.

DIAGRAM



Note: This curve graph is related to various factors such as the properties of different materials, crushing chamber types, eccentricity, etc. It is used as a reference.

MRC Series, MHP Series Multi-cylinder Cone Crusher



PRODUCT FUNCTIONS

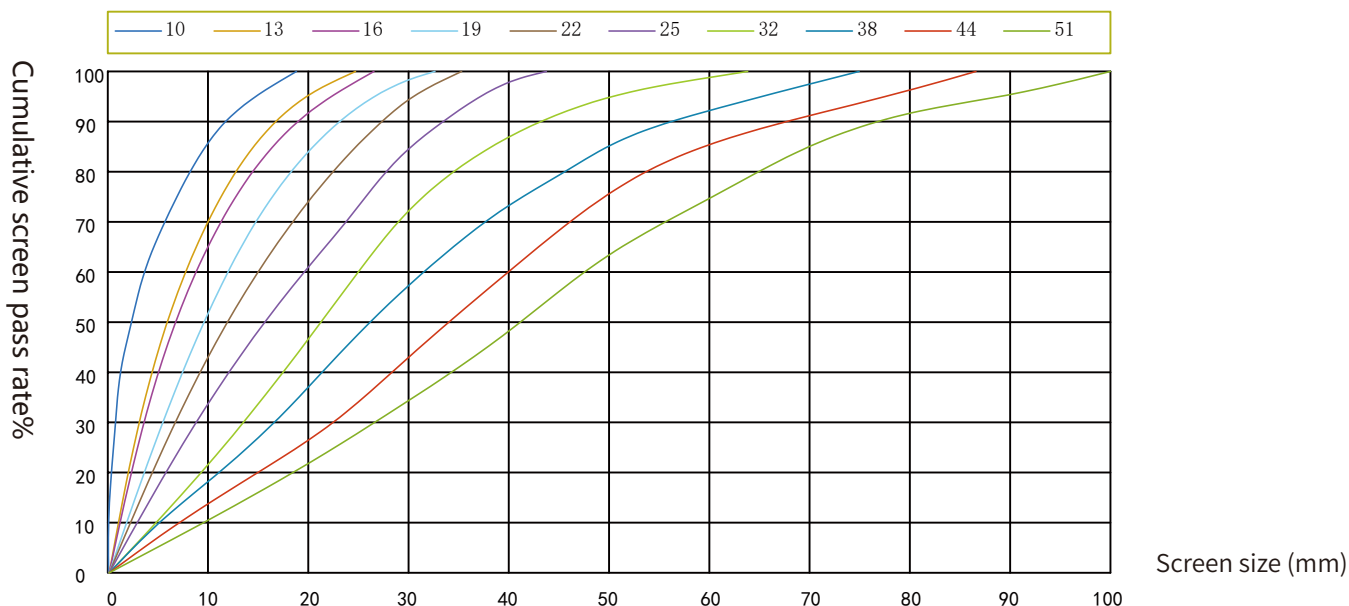
Multi-cylinder hydraulic cone crusher, through advanced design, optimized cavity shape, makes the stone gradation better and increases the throughput. This series of products is suitable for various fields such as metal and non-metal mines, building materials, chemical raw materials, etc.



WORKING PRINCIPLE

When the multi-cylinder hydraulic cone crusher is working, the moving cone makes a swinging motion along the internal eccentric shaft. The materials are crushed by the squeezing and bending of the moving cone near the fixed cone; the crushed materials fall from the bottom of the cone due to gravity at the places away from the moving cone. The whole crushing and discharging process is carried out continuously along the crushing cavity between the fixed cone and the moving cone. Several hydraulic cylinders and accumulators are evenly distributed on the periphery of the machine body, which, combined with valves and pipelines, play the role of iron protection and cleaning the crushing cavity.

DIAGRAM



Note: This curve graph is related to various factors such as the properties of different materials, crushing chamber types, eccentricity, etc. It is used as a reference.

PRODUCT FEATURES

1. Advanced crushing chamber design increases the content of cubic products; longer crushing chamber and greater holding force increase the throughput; multiple speeds and chamber types can produce more corresponding types of products, reducing energy consumption;
2. More horsepower can be converted into crushing force. At the same time, friction and heat are reduced, making the output per unit time higher;
3. Improved bearing capacity, more suitable for metal mines with hard ores;
4. Heavy-duty cast steel frame, able to withstand harsh working conditions, with a longer service life;
5. Adopting hydraulic control system, the discharge port is easy and quick to adjust, and provides more reliable overload protection;
6. Adopting advanced automatic control system, simple operation, more stable machine operation;
7. Easy to operate, only need to replace the liner to achieve the conversion between coarse crushing and fine crushing, can adapt to different crushing requirements.

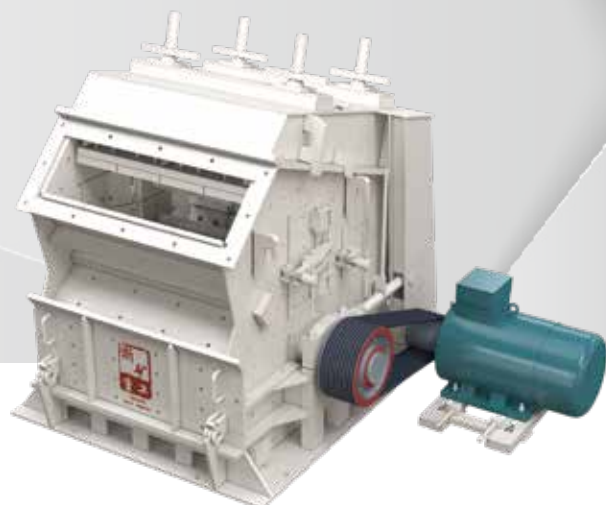
TECHNICAL PARAMETER

Model	Feed size (mm)	Powe (kw)	Discharge port size (mm)										Weight (kg)
			Open Circuit Yield (t/h)										
			10	13	16	19	22	25	32	38	44	51	
MRC40	275	200	120-150	150-190	190-250	230-300	210-275	230-300	260-335	305-390	355-445	440-490	16600
MRC45	325	280	190-250	220-285	240-310	280-365	305-395	335-435	405-525	445-580	490-640	550-680	22000
MRC54	300	315	240-360	265-400	280-420	305-460	325-485	390-510	470-610	515-670	565-735	620-805	34500
MRC66	400	400	280-430	320-480	335-505	365-550	385-580	465-625	585-760	645-840	710-925	780-1015	43000

Model	Powe (kw)	Closed Size Setting (mm)												Weight (kg)
		Open Circuit Yield (t/h)												
		6	8	10	13	16	19	22	25	32	38	45	51	
MHP100	90-110	45-55	50-60	55-70	60-80	70-90	75-95	80-100	85-110	100-140				5500
MHP200	132-160			90-120	120-150	140-180	150-190	160-200	170-220	190-235	210-250			10500
MHP300	220-250			115-140	150-185	180-220	200-240	220-260	230-280	250-320	300-380	350-440		16000
MHP400	315-355			140-175	185-230	225-280	255-320	275-345	295-370	325-430	360-490	410-560	465-630	23000
MHP500	355-400			175-220	230-290	280-350	320-400	345-430	365-455	405-535	445-605	510-700	580-790	33500
MHP600	400-450			220-260	280-325	320-385	365-445	385-470	415-500	455-590	500-650	560-750	680-900	45500
MHP800	560-630			260-335	325-425	385-500	435-545	470-600	495-730	545-800	600-950	690-1050	785-1200	68900
MHP900	710-800			300-385	375-488	445-575	500-628	540-690	570-839	626-920	690-1090	795-1205	880-1480	80500

Note: The above data is based on the loose bulk density of 1.6t/m³, and the feeding material that can enter the crushing chamber smoothly. Due to different factors such as material type, feed material gradation, moisture content, installed liner type and its material type will affect the production capacity of the crusher, the actual production results will be different from the table. To choose a crusher suitable for your specific conditions, please consult Zhekuang Heavy Industry.

PF Series Impact Crusher



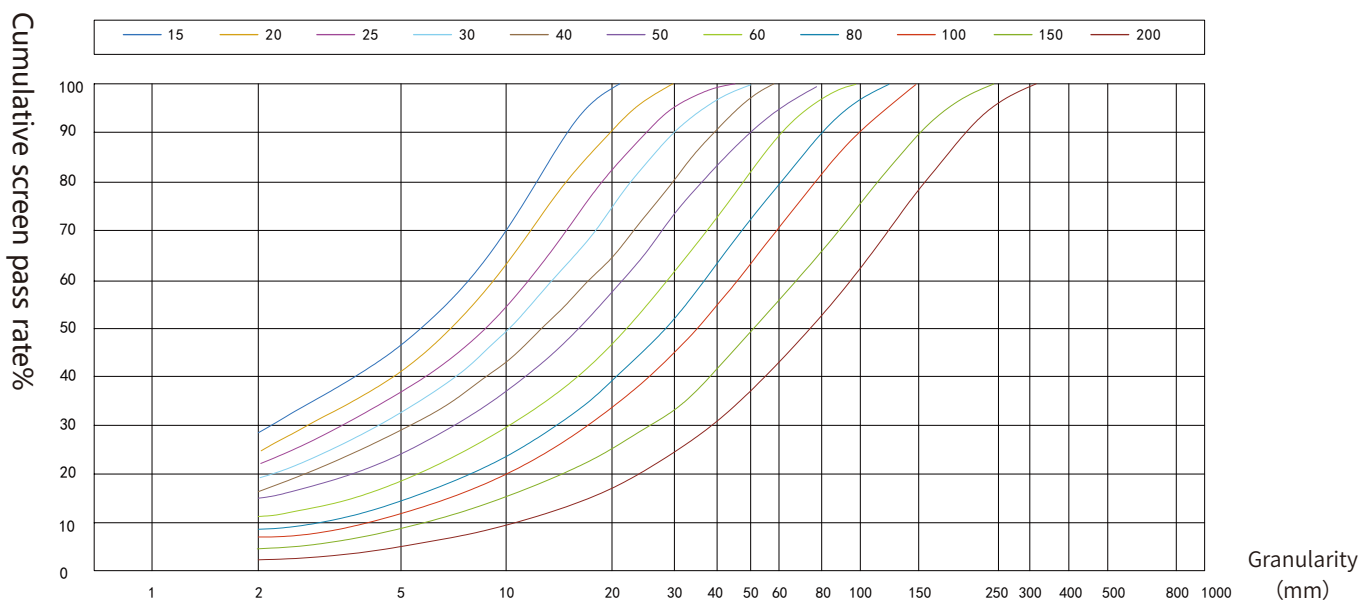
PRODUCT FUNCTIONS

PF series impact crusher is suitable for medium and fine crushing. It can crush ores and rocks with a compressive strength not exceeding 320 MPa. It has the characteristics of large processing capacity and fine material discharge. The crushed product is cubic, with low needle-like content and no internal cracks. Impact crusher is widely used in the crushing process in mining, construction, metallurgy and other industries.

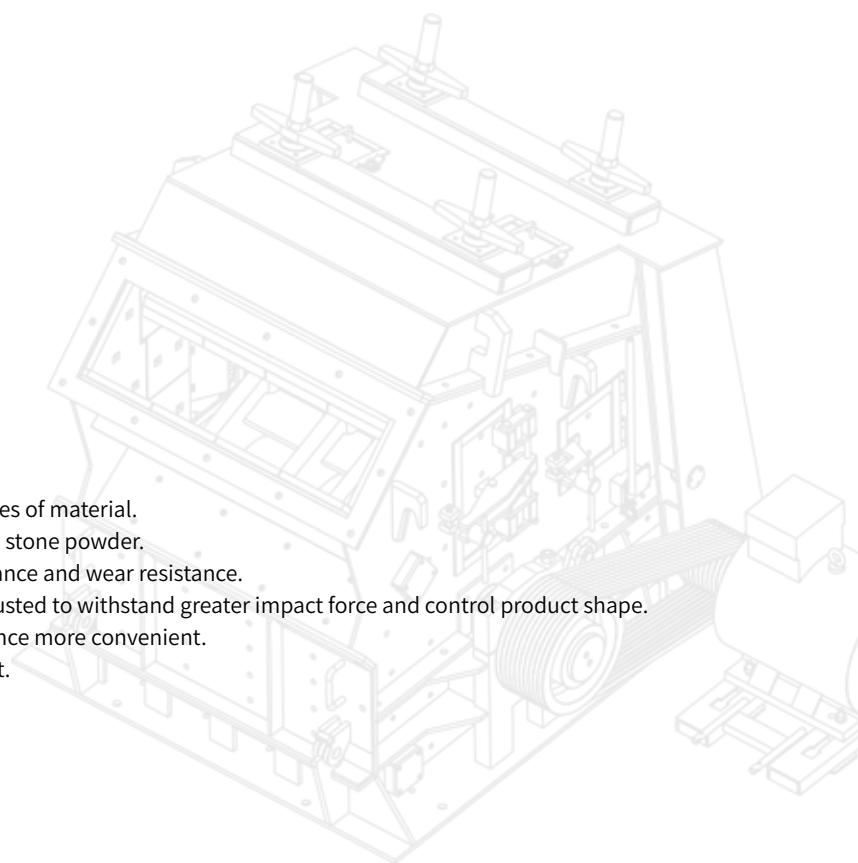
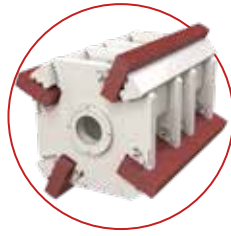
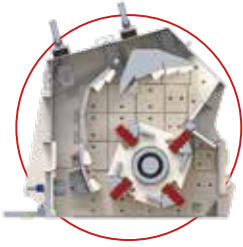
WORKING PRINCIPLE

PF series impact crusher uses high-speed rotating rotor and impact force to crush materials. After the materials enter the crushing chamber, they collide and crush with the blow bars fixed on the rotating rotor, and finally produce the required crushed particles. This crushing method is suitable for medium hardness and brittle materials, and has the characteristics of high crushing efficiency and low energy consumption.

DIAGRAM



Note: This curve graph is related to various factors such as the properties of different materials, crushing chamber types, eccentricity, etc. It is used as a reference.



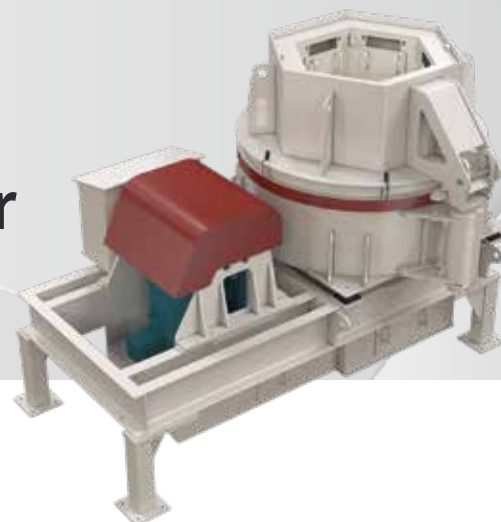
PRODUCT FEATURES

1. It has a large feed port and can accommodate larger pieces of material.
2. It has a high crushing ratio, good product shape, and less stone powder.
3. It uses high-chromium blow bars for better impact resistance and wear resistance.
4. The opening and discharge port can be hydraulically adjusted to withstand greater impact force and control product shape.
5. The excellent structural design makes product maintenance more convenient.
6. Higher production efficiency and lower maintenance cost.

技术参数 TECHNICAL PARAMETER

Model	Power (kw)	Feed size (mm)	Open Circuit Yield (t/h)	Weight (t)
PF-1010	55-75	400×1080	50-80	12.2
PF-1210	110-132	400×1080	70-120	14.1
PF-1214	132-160	400×1430	130-180	18.6
PF-1310	110-132	650×1350	80-120	16.2
PF-1315	180-260	860×1520	160-250	19.3

CH-PL Series Vertical Shaft Impact Crusher



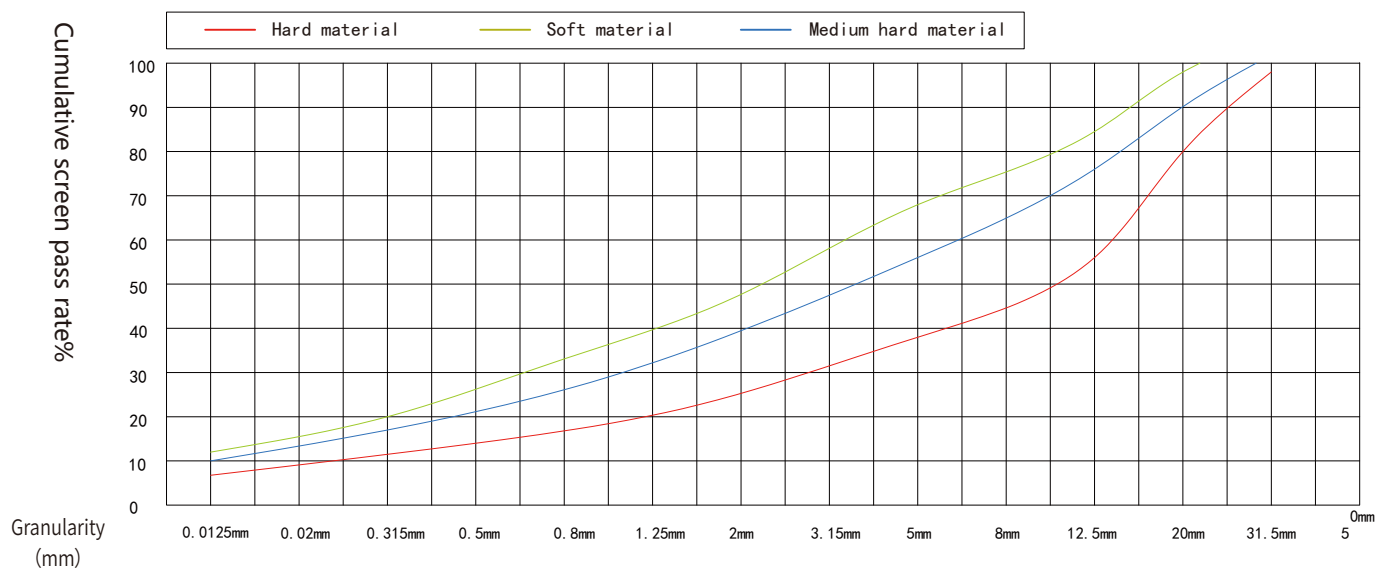
PRODUCT FUNCTIONS

CH-PL Vertical Shaft Impact Crusher perfectly combines unique rotor design with effective and precisely controlled bypass feeding system, which greatly improves production capacity and product quality, and reduces production cost and consumption of wear parts.

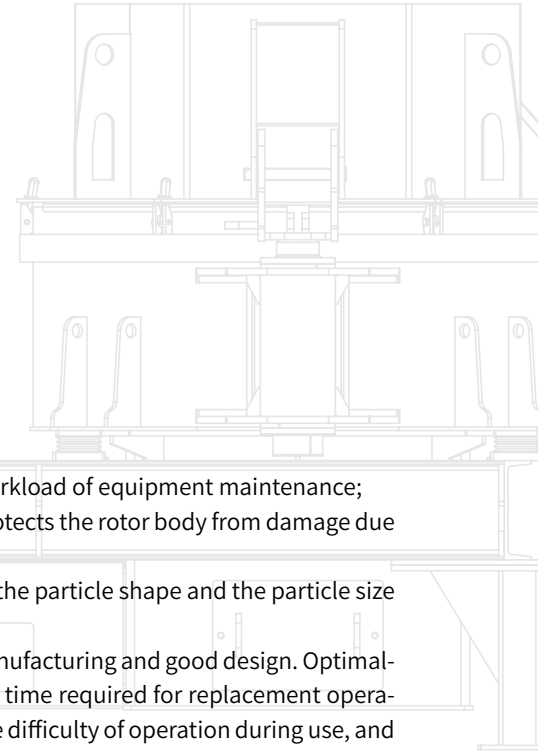
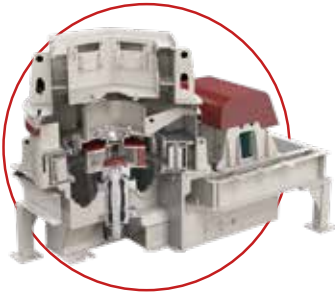
WORKING PRINCIPLE

The material enters the crusher from the hopper, and is divided into two parts by the feeder, and one part enters the high-speed rotating impeller from the middle of the feeder, and is rapidly accelerated, and its acceleration can reach hundreds of times the acceleration of gravity. Then it is ejected from the three evenly distributed runners of the impeller at a speed of 60-80 m/s, impacts and crushes a part of the materials that fall freely around the distributor, and then is impacted on the material lining in the crushing chamber together, and is crushed. The material liner rebounds and impacts obliquely upwards to the top of the crushing chamber. Afterwards, it changes its direction of movement and deflects downward, and the materials emitted from the impeller channel form a continuous material curtain. In this way, a piece of material is impacted, rubbed and ground for two or more times in the crushing cavity, and finally the crushed material is discharged from the lower discharge port.

DIAGRAM



Note: This curve graph is related to various factors such as the properties of different materials, crushing chamber types, eccentricity, etc. It is used as a reference.



PRODUCT FEATURES

- 1.The perfect combination of automatic and manual control systems minimizes the workload of equipment maintenance;
- 2.The double throwing combination of Fengshen rotor maximizes the wear time and protects the rotor body from damage due to excessive wear;
- 3.The secondary overflow system is matched with different speeds to perfectly control the particle shape and the particle size distribution of the output;
- 4.CH-PL Series Vertical Shaft Impact Crusher is the perfect combination of precision manufacturing and good design. Optimally designed wear parts increase the ease of equipment maintenance and reduce the time required for replacement operations. The auxiliary PLC control system makes the operation of HMI easier, reduces the difficulty of operation during use, and shortens the training time of operators.

TECHNICAL PARAMETER

Model	Rotor diameter (mm)	Power (kw)	Rotor speed (r/min)	feeding Granularity (mm)	Throughput (t/h)	Weight (kg)
CH-PL7300	730	200	1200-1900	≤42	180-240	11200
CH-PL860E	860	400	1000-1800	≤42	300-450	16500
CH-PL8600	860	250X2	1000-1800	≤42	300-450	17200
CH-PL1000	1000	355X2	1200-1570	≤42	480-700	21000
CH-2PL7300	730	200X2	1200-1900	≤42	360-480	20500
CH-2PL860E	860	400X2	1000-1800	≤42	600-900	28200
CH-4PL7300	730	200X4	1200-1900	≤42	720-960	29800

ZKBM Series Rod Mill



PRODUCT FUNCTIONS

Rod mill is a kind of mill with steel rods as grinding media in the cylinder. Rod mill is generally of wet overflow type and can be used as primary open circuit grinding. It is widely used in primary grinding in artificial stone sand, ore dressing plant, water conservancy, glass building materials and other industries.

WORKING PRINCIPLE

Rod mill drives the cylinder to rotate by the motor through the reducer and the surrounding large gear or by the low-speed synchronous motor directly through the surrounding large gear. The cylinder is equipped with appropriate grinding media - steel rods. Under the action of centrifugal force and friction, the grinding media is lifted to a certain height and falls in a state of throwing or leaking. The ground material continuously enters the cylinder from the feed port, is crushed by the moving grinding media, and is discharged out of the machine through overflow and continuous feeding force for the next process.

PRODUCT FEATURES

1. The conical end cap of the rod mill has a small curvature, which allows the steel rod to move regularly in the mill;
2. The diameter of the discharge hollow shaft is large, which is convenient for maintenance and can also reduce the slurry level and discharge the ore quickly;
3. The product particle size is uniform and there is less over-crushing.

TECHNICAL PARAMETER

Model	Cylinder Size		Effective Volume (m ³)	Rod Loading Capacity (t)	Speed (r/min)	Power (kw)	Capacity (t)	Weight (t)
	Diameter (mm)	Length (mm)						
ZKBM2130	2100	3000	8.8	18	21.4	220	14-50	48
ZKBM2430	2400	3000	12	25	19	250	25-75	60
ZKBM2745	2700	4500	18	38	18.4	500	100-200	90
ZKBM3245	3200	4500	32	67	16.4	800	200-500	145
ZKBM3660	3600	6000	54	100	15.8	1250	320-800	190

ZKQM Series Ball Mill



PRODUCT FUNCTIONS

Ball mill is the key equipment for grinding materials after they are crushed. It has high working efficiency, smooth discharging and low energy consumption. It has two grinding methods: dry type and wet type. It is widely used in cement, silicate products, new building materials, refractory materials, fertilizers, ferrous and non-ferrous metal beneficiation, glass and ceramics and other production industries. It can grind various ores and other grindable materials by dry or wet method.

WORKING PRINCIPLE

The main component of the ball mill is a cylinder with a small diameter and a large length, which is supported by rolling bearings and rotates slowly through a transmission mechanism. The material is fed from the feeding end of the cylinder. In the cylinder, the material is crushed due to the impact of the steel balls and the ore itself and the self-grinding. As the material is continuously fed, its pressure causes the material in the cylinder to move from the feeding end to the discharge end. The slurry exceeds the lower edge of the hollow shaft at the discharge end and overflows by gravity. The hollow shaft has reverse spiral blades, which can return the overflowing steel balls and coarse ore blocks to the mill.

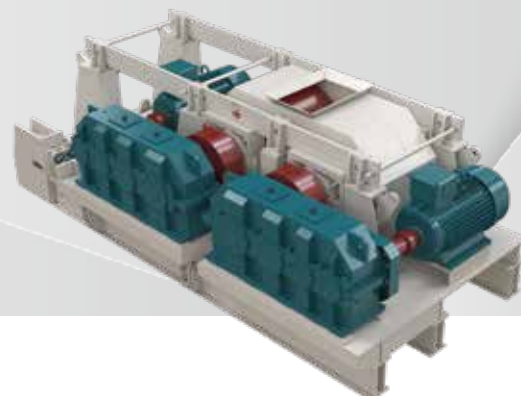
PRODUCT FEATURES

1. With a jacking device for easy maintenance;
2. With slow transmission for easy maintenance and startup;
3. The large and small gears are lubricated with oil mist to ensure reliable lubrication of the large and small gears, extend the service life of the large and small gears, and save lubricating oil.

TECHNICAL PARAMETER

Model	Cylinder Size		Effective Volume (m ³)	Rod Loading Capacity (t)	Speed (r/min)	Power (kw)	Capacity (t)	Weight (t)
	Diameter (mm)	Length (mm)						
ZKQM2130	2100	3000	8.8	15	23.7	160	6.5-36	45
ZKQM2430	2400	3000	12	23	21	250	7-50	58
ZKQM2745	2700	4500	18	48	20.7	480	26-90	100
ZKQM3245	3200	4500	32	65	18	630	35-120	149
ZKQM3660	3600	6000	54	110	17	1250	45-208	198

ZKDG Series Roller Crusher



PRODUCT FUNCTIONS

This series of roller machines is mainly composed of roller assembly, frame assembly, pressing and adjusting device, driving transmission device and other parts.

WORKING PRINCIPLE

The motor, reducer and universal coupling drive the two rollers to rotate relative to each other to squeeze the materials to achieve crushing. The material falls between the two rollers through the feeding port, is squeezed and crushed, and the finished material falls naturally. When there are too hard or unbreakable objects, the rollers can automatically retreat through the action of hydraulic cylinders or springs to increase the gap between the rollers and allow the extremely hard or unbreakable objects to fall, thereby protecting the equipment from damage. There is a certain gap between the two rollers rotating in opposite directions, and the discharge granularity of the product can be controlled by changing the gap.

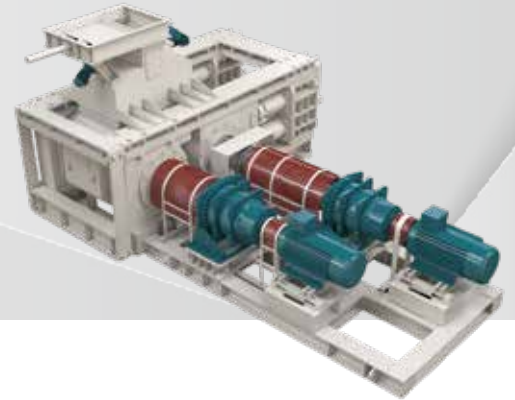
PRODUCT FEATURES

It is widely used in the sand making process of metal/non-metal mines.

TECHNICAL PARAMETER

Equipment Specifications and Main Technical Parameters					
Model	Roller diameter (mm)	Roller length (mm)	feeding Granularity (mm)	Throughput (t/h)	Motor power (kw)
ZKDG1060	1000	600	≤35	110-130	75*2
ZKDG1187	1100	870	≤35	210-240	132*2
ZKDG1110	1100	1000	≤35	240-270	160*2
ZKDG1390	1300	900	≤35	300-350	(250-315)*2
ZKDG1410	1350	1000	≤35	400-550	(355-400)*2

GM Series High Pressure Roller Mill



PRODUCT FUNCTIONS

GM Series High Pressure Roller Mill is generally used in the sand making industry, and can also be used in mineral processing, iron ore, iron concentrate powder and other non-ferrous metal ores and finely crushed cement raw meal, clinker, blast furnace slag and other medium and high hardness ores and industrial waste slag and other materials.

WORKING PRINCIPLE

GM Series High Pressure Roller Mill consists of two rollers that rotate in opposite directions. The material is fed from the top of the two rollers, and is crushed between the materials by the high pressure of the extrusion roller to become a dense cake, and finally crushed into the required granularity and discharged through the discharge port.

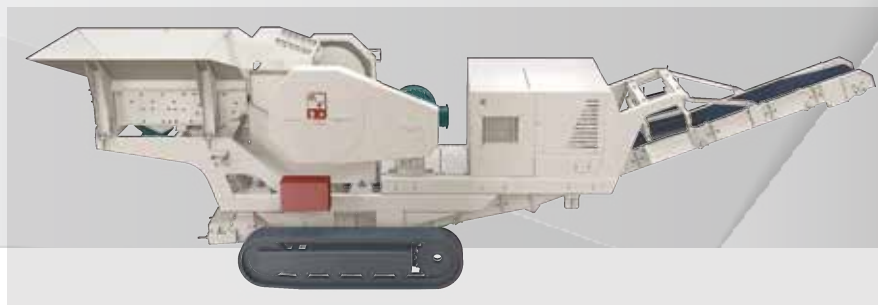
PRODUCT FEATURES

Simple structure, energy saving and low consumption.

TECHNICAL PARAMETER

Model	Roller diameter (mm)	Roller length (mm)	Power (kw)	Feeding granularity (mm)	Processing capacity (t/h)
GM80	800	300-500	2X(75-132)	≤30	50-165
GM90	900	500-800	2X(132-200)	≤30	140-195
GM120	1200	500-800	2X(220-250)	≤30	180-300
GM140	1400	650-800	2X(250-315)	≤40	300-400
GM160	1600	1200-1400	2X(400-800)	≤40	500-900
GM180	1800	1200-1400	2X(800-900)	≤45	840-1170
GM200	2000	1600-1800	2X(1000-1600)	≤45	1100-2000
GM220	2200	1600-1800	2X(1250-2000)	≤50	1200-2300
GM240	2400	1600-2000	2X(1800-2500)	≤55	2000-3500
GM260	2600	1600-2200	2X(2500-3150)	≤60	2700-4500

Mobile Crushing Station Series



PRODUCT FUNCTIONS

Mobile Crushing Station Series products are mainly used for crushing and grading of urban construction waste, construction raw materials and other fields. The product adopts intelligent, modular design ideas and advanced design methods.

WORKING PRINCIPLE

Mobile Crushing Station can be used in mining, building materials, highways, railways, water conservancy and other industries to complete crushing and screening operations, and produce the material size and output required by users. Users can adopt a variety of configuration forms according to the types of processing raw materials, the scale and the requirements of finished materials. This mobile crushing station is composed of primary and secondary crushing and screening stations, belt conveyors, etc. The crushing stations at all levels are an independent working unit, which can perform different duties.

PRODUCT FEATURES

1. Reasonable matching of crushing equipment at all levels, smooth discharge of the whole line process, reliable operation, convenient operation, high efficiency and energy saving, and good mobility. It can be extended with the raw material or construction site, and can be combined in a variety of ways to meet the needs of different materials;
2. The integrated form of the integrated unit allows a single piece of equipment to no longer need to carry out infrastructure construction work on the job site. The reasonable and compact space layout of the unit improves the flexibility of site stationing;
3. With self-propelled function, it can drive in the rugged and harsh road environment of the crushing site, which saves time for entering and transferring the construction site, and is conducive to entering the reasonable construction area;
4. The configuration equipment can be replaced according to the actual situation on site;
5. The panel remote control operation is equipped with a manual control system while remotely controlling the equipment at a short distance.

TECHNICAL PARAMETER

Processing Capacity(t/h)	Prime power (kw)	Speed(km/h)	Gradeability	Crusher model	Feeder model	Conveyor belt model
100-300	200	0-1.5	30°	CJ80	GZG9530	B500

Modular Crushing and Screening Plant



PRODUCT FUNCTIONS

Modular crushing and Screening Plant Series products are mainly used for crushing and grading of dry construction materials, metallurgy, coal and other fields. The products adopt modular design ideas and advanced design methods.

WORKING PRINCIPLE

While retaining the advantages of the fixed crushing yard, the modular crushing station takes into account certain mobile functions, which can realize rapid relocation and installation, making it very suitable for fixed yards and engineering construction units that have certain requirements for movement. Its structure design is compact, saves space, and reduces the area occupied by the construction site. The equipment foundation is small, reducing the difficulty of civil construction. All modules are factory-tested and assembled in advance, shortening the on-site installation time. The equipment process is coordinated and smooth, with high matching degree of selection and operation efficiency. Modular crushing and Screening Station is easy to dismantle and reinstall, ensuring that the project can be quickly relocated and reassembled according to construction needs.

PRODUCT FEATURES

1. Convenient and fast on-site installation method saves installation time and labor for customers;
2. The modular shipping method enables the products to be transported conveniently and timely to all parts of the world;
3. The modular design idea makes the layout of the product line more reasonable, and the design of the crushing and screening station is more standardized, saving a lot of space resources for customers.

TECHNICAL PARAMETER

Model	Main equipment configuration			Max. Feeding (mm)	Yield (t/h)	Total power (KW)
	Coarse crushing	Fine crushing	Screening			
CJ100-RC50-3Y2A2180	CJ100	RC50	3Y2A2180	600	200-250	541
CJ100-RC50/2-3Y2A2180/2	CJ100	RC50	3Y2A2180	600	350-400	925

YA Series Circular Vibrating Screen



PRODUCT FUNCTIONS

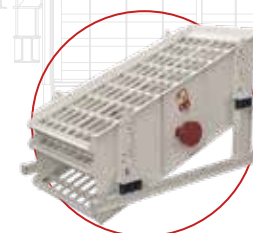
The motion track of YA Series Circular Vibrating Screen is eccentric circular vibration. There are many specifications in the whole series, which can be used for dry and wet classification of materials in coal preparation, mineral processing, building materials, electric power and chemical industries.

WORKING PRINCIPLE

YA Series Circular Vibrating Screen Single-axis eccentric vibrator, driven by a single motor, the screen machine uses a motor to drive the eccentric shaft, which can generate an exciting force after the eccentric shaft and the external eccentric block rotate, so that the screen machine produces simple harmonic motion. The dual-axis circular vibrating screen is driven by dual motors and synchronous belts to achieve synchronous effect.

PRODUCT FEATURES

1. This series of screening machines is manufactured by introducing American technology, and adopts ring groove riveting and cold riveting frame structure;
2. Advanced structure, low noise and easy maintenance.



TECHNICAL PARAMETER

Model	Screen layer(s)	Screen area (m ²)	Feeding granularity (mm)	Processing capacity (t/h)	Vibration frequency (r/min)	Double amplitude (mm)	Motor power (kw)	Weight (kg)
2YA1548	2	7.2	≤200	50-150	860	5-10	7.5	5500
2YA1848	2	8.64	≤200	50-220	860	5-10	11	6500
2YA1860	2	10.8	≤200	50-260	860	5-10	15	6300
3YA1860	3	10.8	≤200	50-260	860	5-10	18.5	7300
YA2160	1	12.6	≤200	100-300	860	5-10	18.5	5500
2YA2160	2	12.6	≤200	100-300	860	5-10	18.5	6800
3YA2160	3	12.6	≤200	100-300	860	5-10	22	8800
2Y2A2180	2	16.8	≤200	200-600	860	6-12	22X2	15800
3Y2A2180	3	16.8	≤200	200-600	860	6-12	22X2	16300
2YA2460	2	14.4	≤200	150-450	860	5-10	22	8800
3YA2460	3	14.4	≤200	150-450	860	5-10	30	12500
2Y2A2480	2	19.2	≤200	230-700	860	6-12	22X2	16500
3Y2A2480	3	19.2	≤200	230-700	860	6-12	22X2	17000
YA3060	1	18	≤200	250-800	860	6-12	22	9600
2YA3060	2	18	≤200	250-800	860	6-12	30	11800
3YA3060	3	18	≤200	250-800	860	6-12	37	15000
2Y2A3083	2	24.9	≤200	400-1000	860	6-12	22X2	18600
3Y2A3083	3	24.9	≤200	400-1000	860	6-12	30X2	22500
2Y2A3583	2	29	≤200	500-1200	860	6-12	30X2	24000
3Y2A3583	3	29	≤200	500-1200	860	6-12	37X2	29000

TYAK Series Elliptical Vibrating Screen



PRODUCT FUNCTIONS

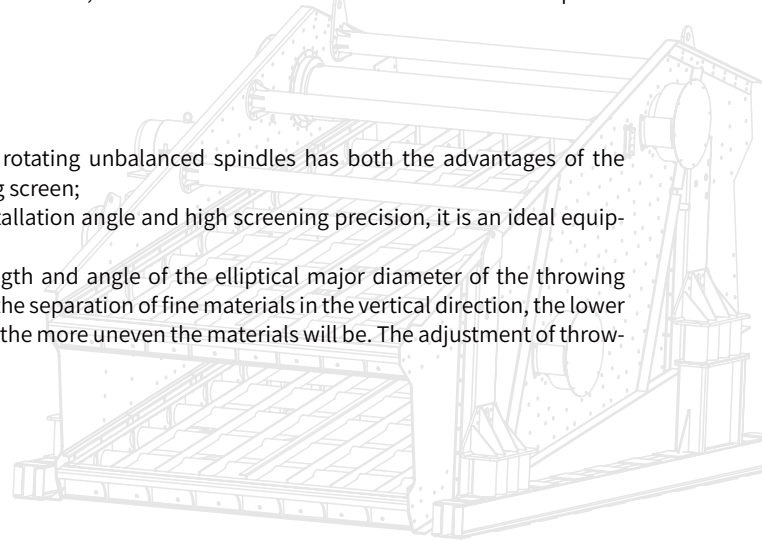
TYAK Series Elliptical Vibrating Screen's motion trajectory is eccentric elliptical vibration. There are many specifications in the whole series, which can be used for dry and wet classification of materials in coal preparation, mineral processing, building materials, electric power and chemical industries.

WORKING PRINCIPLE

TYAK Series Elliptical Vibrating Screen adopts dual motors to drive two eccentric exciters with unbalanced shafts, so that unbalanced excitation force is generated during self-synchronization and reverse rotation, so that the screen machine can move on an elliptical trajectory.

PRODUCT FEATURES

- 1.The high-efficiency elliptical motion generated by two relatively rotating unbalanced spindles has both the advantages of the inclined circular vibrating screen and the horizontal linear vibrating screen;
- 2.Good screening performance, large processing capacity, small installation angle and high screening precision, it is an ideal equipment for various mines, stone yards and mobile screening stations;
- 3.The design of the elliptical throwing material can change the length and angle of the elliptical major diameter of the throwing material to meet the best needs of the vibrating screen. The higher the separation of fine materials in the vertical direction, the lower the throw, and the faster the movement in the horizontal direction, the more uneven the materials will be. The adjustment of throwing material is easy to complete;
- 4.Self-synchronized elliptical motion, no need to use gears.



TECHNICAL PARAMETER

Model	Screen layer (s)	Screen area (m ²)	Feeding size (mm)	Processing capacity (t/h)	Motor power (kw)	Weight (kg)
2TYAK2460	2	14.4	≤200	240-750	22+30	14800
2TYAK2560	2	15.24	≤200	240-800	22+30	15300
2TYAK3060	2	18	≤200	240-1000	30+37	18500
2TYAK3565	2	22.75	≤200	240-1200	30+45	23500

SPS Series Three-axis Horizontal Vibrating Screen



PRODUCT FUNCTIONS

The movement trajectory of the SPS type horizontal three-axis elliptical vibrating screen is eccentric elliptical vibration, suitable for screening large, medium, and small specifications of materials. The entire series has three specifications, which can be used for dry and wet classification of crop materials in departments such as coal selection, mineral processing, building materials, power, and chemical industry.

WORKING PRINCIPLE

The SPS type horizontal three-axis elliptical vibrating screen adopts a single motor driven three-axis eccentric exciter, and the three axes of the exciter are equipped with counterweight blocks and gears of the same specifications. The synchronous gear forces each shaft to maintain a stable phase difference, achieving two positive and one negative rotations, thereby generating excitation force and forcing the screen box to perform forced continuous elliptical motion.

PRODUCT FEATURES

1. Using synchronous gears to generate efficient elliptical motion on the three axes combines the advantages of both inclined circular vibrating screens and horizontal linear vibrating screens.
2. It has the characteristics of good sieving performance, large processing capacity, small installation height, and high screening accuracy, making it an ideal equipment for various mines, quarries, and mobile screening stations.
3. The elliptical throwing design can change the elliptical diameter and angle of the throwing material to meet the optimal needs of the vibrating screen. The more fine material is separated in the vertical direction, the lower it is, and the faster it moves horizontally, resulting in uneven material distribution. The adjustment of these throwing materials is easy to complete.
4. By unscrewing the locking pin from the central gear and rotating the central gear to the predetermined angle, then locking the gear in a new position to change the throwing angle.

TECHNICAL PARAMETER

Model	Screen layer (s)	Screen area (m ²)	Feeding size (mm)	Processing capacity (t/h)	Vibration frequency (r/min)	Double amplitude (mm)	Motor power (kw)	Weight (kg)
SPS2160	2	12.6	≤200	100-300	860	8-16	37	13360
SPS2460	2	14.4	≤200	150-450	860	8-16	45	13900
SPS2560	2	15.24	≤200	150-500	860	8-16	45	14400

ZXS Series Banana Vibrating Screen



PRODUCT FUNCTIONS

The movement trajectory of the ZXS banana vibrating screen is block eccentric linear vibration, and the entire series has multiple specifications, which can be used for screening and grading in industries such as coal preparation, mineral processing, and metallurgy.

WORKING PRINCIPLE

The ZXS banana vibrating screen adopts dual motors to drive two sets of exciters with the same eccentric mass. When it performs self synchronization and reverse rotation, the centrifugal force generated along the vibration direction overlaps with each other. In other directions, the centrifugal force cancels out each other, forming a single excitation force along the vibration direction, causing the screen box to vibrate back and forth in a linear trajectory.

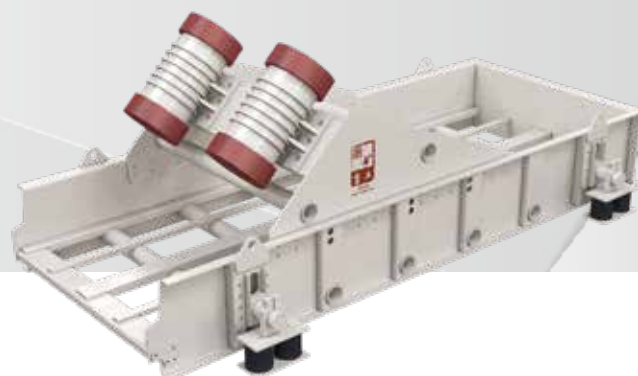
PRODUCT FEATURES

1. The screen surface adopts several different inclination angles for arrangement, and the feeding end adopts a large inclination angle to make the material move quickly and layer quickly, which is more conducive to the material passing through the screen.
2. As the inclination angle of the screen surface decreases and the material on the screen surface gradually decreases due to sieving, the flow rate of the material decreases, maintaining a relatively consistent thickness of the material on the screen surface, strengthening the interlayer effect of the material, and promoting the particle size smaller than the sieve hole to pass through the sieve hole, thereby improving the screening efficiency and media removal efficiency of the screen machine.
3. Self synchronous linear motion, gear free maintenance, low noise, and reliable operation.

TECHNICAL PARAMETER

Model	Screen area (m ²)	Feeding size (mm)	Processing capacity (t/h)	Vibration frequency (r/min)	Double amplitude (mm)	Motor power (kw)	Weight (kg)
2ZXS43100	43	≤ 200	1800-2000	900	6-12	2X55	52265

ZJS Series Linear Vibrating Screen



PRODUCT FUNCTIONS

ZJS Series Linear Vibrating Screen is widely used in mining, coal, smelting, building materials, refractory materials, light industry, chemical industry and other industries.

WORKING PRINCIPLE

ZJS Linear Vibrating Screen is driven by dual vibrating motors. When two vibrating motors do synchronous and counter-rotating, the exciting force generated by the eccentric block cancels each other in the direction parallel to the motor axis, and stacks into a resultant force in the direction perpendicular to the motor axis, so the motion track of the screen machine for a straight line. The two motor shafts have an inclination angle relative to the screen surface, under the action of the combined force of the exciting force and the self-gravity of the material, the material is thrown up on the screen surface and moves forward in a straight line, and the medium and fine-grained materials are subjected to dry and wet screening, dehydration, de-intermediation, and de-sliming.



PRODUCT FEATURES

1. Simple and reasonable structure, high screening efficiency, low noise, low energy consumption, easy maintenance;
2. The unique screen structure design is convenient for quick replacement of the screen.

TECHNICAL PARAMETER

Model	Screen size (m ²)	Feeding granularity (mm)	Capacity (t/h)	Vibrational frequency (r/min)	Double amplitude (mm)	Motor power (kw)	Weight (kg)
ZJS0822	1.76	≤10	15-40	960	4-8	2X1.5	1500
ZJS1022	2.20	≤10	20-50	960	4-8	2X1.5	1950
ZJS1232	3.84	≤10	30-80	960	4-8	2X3.2	3150
ZJS1437	5.18	≤10	35-100	960	4-8	2X3.7	3800
ZJS1845	8.10	≤10	50-200	960	4-8	2X7.5	6000
ZJS2048	9.60	≤10	70-230	960	4-8	2X7.5	6600
ZJS2460	14.40	≤10	100-350	960	4-8	2X9	8000
ZJS3060	18.00	≤10	150-400	960	4-8	2X22	11200

GZG Series Vibrating Feeder



PRODUCT FUNCTIONS

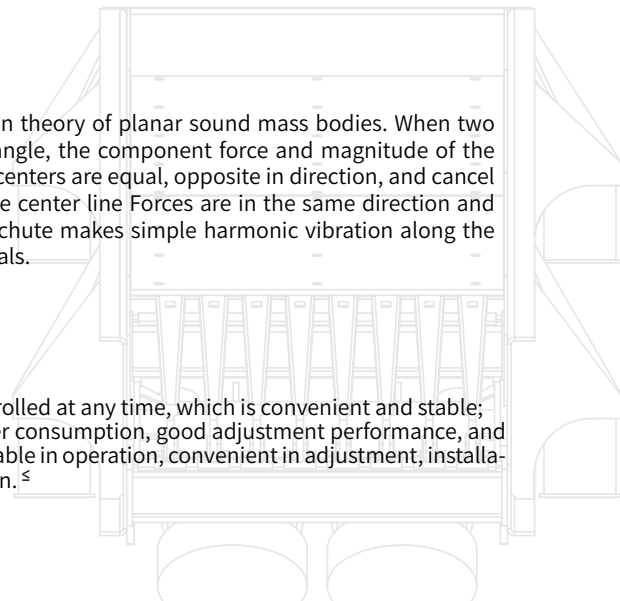
GZG Linear Vibrating Feeder In the production process, it can evenly, regularly and continuously input the bulk and granular materials from the storage bin into the receiving device; in the production line, it can continuously and evenly feed the crushing machinery, and coarsely screen the material. It is widely used in crushing and screening combined equipment in metallurgy, coal mine, mineral processing, building materials, chemical industry, abrasive and other industries.

WORKING PRINCIPLE

GZG Linear Vibrating Feeder operates according to the vibration synchronization theory of planar sound mass bodies. When two vibrating motors are self-synchronizing in the opposite direction at the same angle, the component force and magnitude of the inertial force in the direction of the line connecting the vibration motor rotation centers are equal, opposite in direction, and cancel each other out; while the component force in the direction perpendicular to the center line Forces are in the same direction and superimpose on each other. Under the action of the inertial force, the feeding chute makes simple harmonic vibration along the direction of the resultant force, so as to achieve the purpose of conveying materials.

PRODUCT FEATURES

1. Stable vibration, reliable operation and long service life;
2. The exciting force can be adjusted, and the flow rate can be changed and controlled at any time, which is convenient and stable;
3. The vibration motor is used as the excitation source, with low noise, low power consumption, good adjustment performance, and no charging phenomenon. Light in weight, small in size, simple in structure, reliable in operation, convenient in adjustment, installation and maintenance, and the closed structure body can prevent dust pollution.



Flat Linear Vibrating Feeder

Model	Feeding size (mm)	Processing capacity (t/h)	Motor power (kw)	Installation angle	Weight (kg)
GZG0930	≤350	50-260	3.2X2	8°-12°	3895
GZG1150	≤500	100-350	5.5X2	8°-12°	5170
GZG1355	≤700	150-580	9X2	8°-12°	7520

Bar Linear Vibrating Feeder

Model	Feeding size (mm)	Processing capacity (t/h)	Motor power (kw)	Installation angle	Weight (kg)
GZG0935	≤350	100-320	3.2X2	5°-12°	4995
GZG1150	≤500	100-450	5.5X2	5°-12°	5600
GZG1355	≤700	100-700	9X2	5°-12°	6700
GZG1460	≤800	100-800	11X2	5°-12°	8800
GZG1560	≤850	200-900	11X2	5°-12°	10000

ZWS Series Biax Vibrating Feeder



PRODUCT FUNCTIONS

In the production process, ZWS Series Biax Vibrating Feeder can uniformly, regularly and continuously feed bulk and granular materials from the storage bin to the receiving device; In the production line, it can continuously and evenly feed material, and coarsely sieve the material. It is widely used in crushing and screening combined equipment in metallurgy, coal mine, mineral processing, building materials, chemical industry, abrasive and other industries.

WORKING PRINCIPLE

ZWS Series Biax Vibrating Feeder is mainly composed of vibrating frame, spring, vibrator, motor vibrating frame and motor. The vibrator is composed of two eccentric shafts at specific positions meshed with gears. When assembling, it is necessary to make the two gears mesh with each other according to the marks, and drive the two eccentric shafts to rotate through the motor, so as to generate a huge synthetic linear excitation force. It can force the body to vibrate on the supporting spring, and the material will use this vibration as the power to slide and throw on the chute, so that the material can be moved forward to achieve the purpose of feeding. When the material passes through the sieve bars on the tank body, the smaller materials can fall through the gaps of the sieve bars without going through the next crushing process, which plays a screening effect.

PRODUCT FEATURES

- 1.The structure of the double eccentric shaft exciter ensures that the equipment can withstand the impact of falling large pieces of material, with stable operation and strong feeding capacity;
- 2.The thin oil lubrication method ensures that the rotating parts are more fully lubricated, the operation of the equipment is more stable, and the operation and maintenance are more convenient.

TECHNICAL PARAMETER

Model	Feeding size (mm)	Processing capacity (t/h)	Motor power (kw)	Installation angle	Weight (KG)
ZWS1360	≤700	100-700	30	5°-12°	8000
ZWS1460	≤800	100-800	30	5°-12°	8300
ZWS1560	≤900	200-900	30	5°-12°	8500
ZWS1865	≤1000	300-1200	45	5°-12°	16000
ZWS2465	≤1200	1000-2000	55	8°-12°	22600

GZB Series Sitting Feeder



PRODUCT FUNCTIONS

GZB Series Sitting Feeder is mainly used for uniform, quantitative and automatic controlled under-silo feeding of bulk materials.

WORKING PRINCIPLE

According to the vibration synchronization theory of planar sound mass bodies, when two vibration motors are self-synchronized in opposite directions at the same angle, the components of the inertial force in the direction of the line connecting the vibration motor rotation centers are equal in magnitude and opposite in direction, canceling each other out; while the inertial force and the component force in the vertical direction of the center line are in the same direction and superimposed on each other. Under the action of the inertial force, the feeding chute makes simple harmonic vibration along the direction of the resultant force, so as to achieve the purpose of conveying materials.

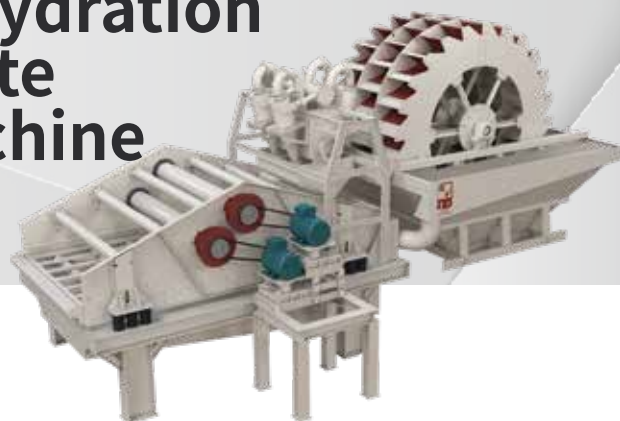
PRODUCT FEATURES

1. Stable vibration, reliable operation and long service life;
2. The exciting force can be adjusted, and the flow rate can be changed and controlled at any time, which is convenient and stable;
3. The vibration motor is used as the excitation source, with low noise, low power consumption, good adjustment performance, and no charging phenomenon. Light in weight, small in size, simple in structure, reliable in operation, convenient in adjustment, installation and maintenance, and the closed structure body can prevent dust pollution.

TECHNICAL PARAMETER

Model	Feeding size (mm)	Processing capacity (t/h)	Motor power (kw)	Installation angle	Weight (kg)
GZB0810	≤300	50-300	0.7X2	0-15°	900
GZB1018	≤350	50-350	1.5X2	0-15°	1600
GZB1218	≤350	50-400	1.5X2	0-15°	1800
GZB1420	≤500	100-600	2.4X2	0-15°	2300
GZB1622	≤500	100-800	2.4X2	0-15°	2530
GZB2232	≤500	1500-2500	7.5X2	12-30°	6830
GZB2440	≤700	2000-3500	9X2	12-30°	9170

LSX Series Hydraulic Dehydration Multifunctional Composite Wheel Sand Washing Machine



PRODUCT FUNCTIONS

Hydraulic dehydration multifunctional composite wheel sand washing machine is an internationally advanced washing equipment for sand, gravel and slag particles introduced after the introduction of advanced technology from similar foreign products. It is widely used in the washing and selection of materials in sand and gravel field, mine, building material, transportation, chemical industry, water conservancy and hydropower, concrete mixing station and other industries.

WORKING PRINCIPLE

During the operation of this type of sand washing machine, the hydraulic motor is driven by the hydraulic system to drive the wheel bucket to rotate, and the sand is counted into the washing tank through the feeding tank, and after being washed and dehydrated by the wheel bucket, it is sent to the dewatering screen for dehydration. At the same time, the impurities in the sand and gravel are discharged through the outlet of the washing tank to complete the cleaning and dehydration of the sand and gravel.

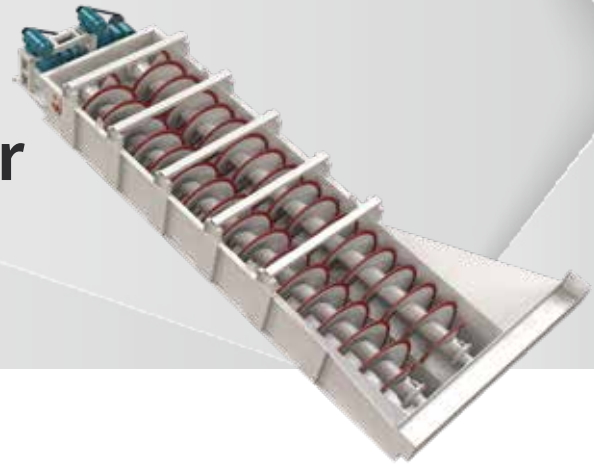
PRODUCT FEATURES

1. The structure is simple, and the impeller drive bearing device is isolated from water and water-receiving materials, which greatly avoids damage to the bearing caused by water, sand and pollutants;
2. Compared with the traditional spiral sand washing machine, the sand washing machine has obvious advantages as follows when used for sand washing in the gravel field: A. There is very little loss of medium-fine sand and stone powder, and the gradation and fineness modulus of the washed construction sand meet the national standards of "Sand for Construction" and "Pebbles and Crushed Stones for Construction"; B. Except for the screen, other parts of the machine are firm and not easy to be damaged; C. The service life is long and no maintenance is required for a long time.

TECHNICAL PARAMETER

Model	Wheel-bucket diameter (mm)	Rotate speed (r/min)	Motor power (kw)	Total weight (kg)	Dimensions (L×W×H) (mm)	Drainage screen	Hydrocyclones	Throughput (t/h)
LSX4200	4200	0-2	134	35770	11840X6140X5870	ZJS3060	4-W30-20-350GJ	200-350
LSX4200	4200	0-2	149	37400	11840X6140X5870	ZJS3060	6-W30-20-350GJ	260-400
LSX6000	6000	0-2	22.4	21370	9900X6100X6300	ZJS2222	/	200-300
LSX6000	6000	0-2	107	33250	11220X6100X6300	ZJS2440	2-FX500	200-350

LX Series Sand Wet Washer



PRODUCT FUNCTIONS

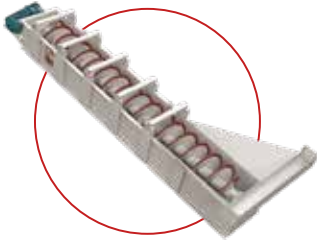
LX Series Sand Wet Washer can wash and separate mud and sundries in sand and gravel, with a novel sealing structure and adjustable overflow weir plate. The reliable transmission device ensures the effect of cleaning and dehydration, and is suitable for sand units such as roads, water conservancy, and construction.

WORKING PRINCIPLE

The spiral sand washing machine in the LX Series Sand Wet Washer utilizes the characteristics that particles of different granularity and densities have different settling velocities in the fluid: the sedimentation velocity of fine granularity and low density particles is slow; while the sedimentation velocity of large granularity and high density particles is fast. In this way, the dust and impurities are separated from the sand, and under the uniform agitation of the spiral blades, the purpose of filtering water, removing impurities, and lifting and conveying is achieved.

PRODUCT FEATURES

1. Simple structure and stable operation;
2. Bearings are separated from water and materials to avoid premature damage to the machine due to pollution and rust;
3. Suitable for various working environments;
4. The washed material has less loss and high washing efficiency, which can fully meet the requirements of high-grade materials;
5. Long service life, almost no wearing parts;
6. Very little maintenance is required, greatly reducing costs.



TECHNICAL PARAMETER

Model	Screw diameter (mm)	Flume length (mm)	Selected granularity (mm)	Processing capacity (t/h)	Spiral speed (r/min)	Motor power (kw)	Water consumption (t/h)	Dimensions L×W×H (mm)	Weight (kg)
LX600	600	5700	≤10	25	14	3	5-50	6800X2500X1700	3680
2LX600	600	5700	≤10	50	14	3X2	10-100	6800X3100X1700	5270
LX900	900	7500	≤10	45	14	5.5	10-80	8100X2950X1900	4880
2LX900	900	7500	≤10	90	14	5.5X2	20-160	8100X3700X1900	8000
LX1300	1300	8800	≤10	70	14	15	20-150	10300X3000X2550	7540
2LX1300	1300	8800	≤10	150	14	15X2	40-300	10300X4300X2550	13600
LX1500	1500	8800	≤10	100	14	22	30-250	10300X3200X2550	12180
2LX1500	1500	8800	≤10	200	14	22X2	40-350	10270X4902X2715	20500

WS Series Fine Sand Recovery Device



PRODUCT FUNCTIONS

The WS Series Fine Sand Recovery Device developed by our company can solve the problems of large loss of fine sand (particles below 0.16MM) and unreasonable sand gradation in the existing artificial sand production line. This system is a world-advanced fine material recovery device designed by absorbing foreign advanced technology and combining with the actual situation of our country. It can improve the product quality of machine-made sand, reduce fine sand discharge, and reduce environmental pollution. Therefore, it is widely used in sand and gravel aggregate processing systems of hydropower stations, glass raw material processing systems, artificial sand production lines, recovery of coarse coal slime in coal preparation plants and environmental protection projects (mud purification, etc.), and can effectively solve the problem of fine sand recovery.

WORKING PRINCIPLE

The slurry pump transports the sand-water mixture to the cyclone, and the fine sand concentrated by centrifugal classification is supplied to the vibrating screen through the grit settling nozzle. After being dehydrated by the vibrating screen, the fine sand and water are effectively separated, and a small amount of fine sand and mud are returned to the cleaning tank through the return box. When the liquid level in the cleaning tank is too high, it is discharged through the discharge port. The weight concentration of the recovered material from the linear vibrating screen is 70%-85%. Adjusting the fineness modulus can be realized by changing the pump speed, changing the mortar concentration, adjusting the overflow water volume, replacing the sand nozzle, and finally completing the three functions of cleaning, dehydration and grading.

PRODUCT FEATURES

1. The vibrating screen adopts polyurethane screen, which has a longer service life than other types of screens, and the holes are not easy to be blocked;
2. The cyclone is lined with polyurethane to prolong the service life of the whole device, and can successfully complete the work of slurry concentration and liquid clarification;
3. The maximum recyclable fine particle material volume of the fine sand recovery system accounts for 85% of the total discharge, which has unparalleled technical and economic advantages compared to other equipment;
4. Fine particles can be fully recovered, reducing the workload and cleaning costs of the sedimentation tank.

TECHNICAL PARAMETER

Model	Pump		Silt Separator Specifications (mm)	Dehydration screen			Handling capacity (m ³ /h)	Weight (kg)
	Power (kw)	Size (inch)		Model	Area (m ²)	Power (kw)		
WS-10-350	18.5	3"	350	ZJS1022	2.2	2X1.5	70-130	4900
WS-12-500	22	4"	500	ZJS1232	3.84	2X3.2	100-220	7515
2WS-12-350	2X18.5	3"	350	ZJS1232	3.84	2X3.2	140-260	7600
2WS-14-500	2X22	4"	500	ZJS1437	5.18	2X3.7	200-440	15926
W-500	37	4"	500	/	/	/	100-220	2150

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CASE SCENE



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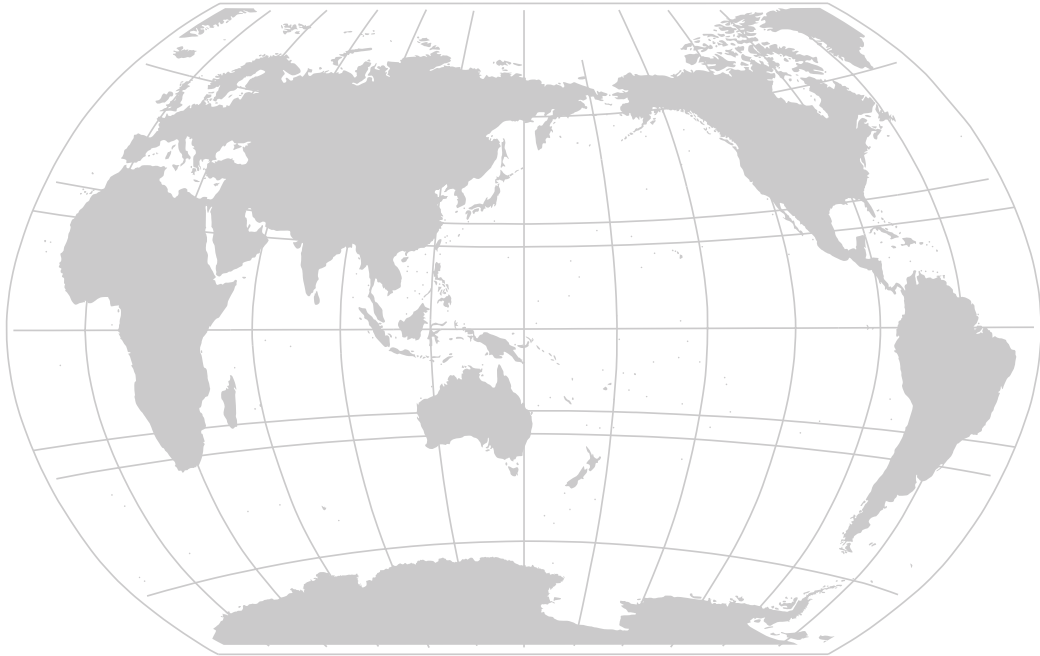
CASE SCENE



FUTURE OUTLOOK

In the future, Zhekuang Heavy Industry will continue to carry forward the corporate spirit of "striving for excellence, being pragmatic and making progress". We will focus on the development and construction of mining equipment, consolidate our basic industries, develop our advantageous industries, and strive to build a century-old enterprise that is successful in investment, management, and culture.





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