

POWERLAND PROJECT SOLUTION

PT. POWERLAND PROJECT SOLUTION

www.powerlandproject.com

Jl. Maloko, kp. Setu RT 14/05
Desa Dangdang Kec. Cisauk-Serpong
Tangerang Selatan- Indonesia

[Phone 021-3043-9728]

[Fax 021-3043-9729]

Build The Better World Together

MINING & CONSTRUCTION MACHINERY





ABOUT US

POWERLAND PROJECT SOLUTION will be the agent of several main supplier of heavy equipment in mining and construction field. As the consultant, distributor and project builder, we will supply our high quality machinery and good service to our customers. The purposes of the company establishment are "Professional Consultant, Designer, Manufacturer, and Servicer". This corporation will dedicate itself to the main business of supplying the following equipments:

>Complete Stone Crusher >Concrete Batching Plant >Conveyor Plant >Grinding mill plant

We will afford the professional installation service, and after sale-services together with all the equipments. We shall organize it as proven of high quality and professional service, supplying mining equipment, customer service, as one of the professional services team. Facing vast expanse of market prospect, POWERLAND will give an eye to research and development of high-tech products, will base itself upon mining machinery manufacturer, and will apply itself to offering customers with good quality products and high-tech service. The company will always adhere to the "quality of professional services for the idea, Wing Walking innovation Road, creating splendid future by our People's diligence and wisdom, together with Indonesian customers.

POWERLAND PROJECT SOLUTION adalah agen dari beberapa pemasok utama alat berat di bidang pertambangan dan konstruksi. Sebagai konsultan, distributor dan pembangun proyek, kami akan menyediakan mesin berkualitas tinggi dan pelayanan yang baik kepada pelanggan kami. Tujuan dari pendirian perusahaan adalah "Konsultan profesional, Designer, Produsen, dan Penyedia Jasa".

Perusahaan ini akan mendedikasikan dirinya untuk bisnis utama memasok peralatan berikut:

> Fullset Stone Crusher > Batching Plant > Belt Conveyor > Pendulum/ Penepung

Kami akan menyediakan jasa instalasi profesional, dan pelayanan purna beli bersama dengan semua peralatan. Kami akan menciptakan itu sebagai bukti kualitas tinggi dan layanan profesional, pemasok peralatan tambang, dan layanan pelanggan sebagai salah satu tim dengan pelayanan profesional.

Menghadapi prospek pasar yang tinggi, Powerland akan mengawasi penelitian dan pengembangan produk teknologi tinggi, akan memfokuskan diri pada produsen mesin pertambangan, dan akan menawarkan produk berkualitas dan pelayanan teknologi tinggi kepada pelanggan. Perusahaan akan selalu mematuhi "kualitas layanan profesional untuk ide, Wing inovasi Berjalan Road, menciptakan masa depan yang indah dengan ketekunan dan kebijaksanaan Rakyat kami, bersama-sama dengan pelanggan Indonesia



JAW CRUSHER	1
SYMON CONE CRUSHER	3
SPRING CONE CRUSHER	5
IMPACT CRUSHER	7
VERTICAL SHAFT IMPACT	9
HAMMER CRUSHER	11
DOUBLE ROLLER CRUSHER	12
VIBRATING FEEDER	13

VIBRATING SCREEN	14
SAND WASHING MACHINE	15
BELT CONVEYOR	16
SPARE PARTS	17
FLOW CHART	19
BALL MILL	21
GRINDING MILL	23
PORTABLE CRUSHING PLANT	27

PE/PEX Series JAW CRUSHER

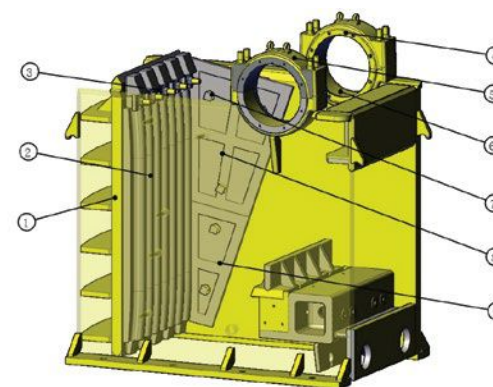


Product Features

- The most classic design, the best manufacturing technique and materials, durable
- Reversible jaw plate
- The adjustment of discharge opening is convenient and flexible
- Advanced side plate bolt fixed system, easy for maintenance
- Easy to operate, high dependability
- A variety of jaws are optional

PE/PEX Series Jaw Crusher is usually applied in the primary crushing, and it is widely used in various ores and rocks i.e., limestone, iron ore, basalt, granite, etc., in the fields of mining, smelting, building material, highway, railway, water conservancy and chemical industry, etc.

PE Jaw Crusher has bigger feed size, it is suitable for rough crushing or primary crushing; PEX jaw crusher is mainly for a smaller feed size, and it has a smaller discharge opening, especially suitable for secondary crushing.



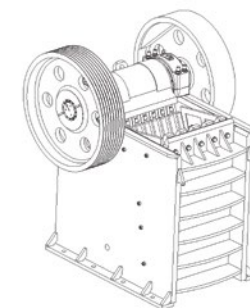
1. Frame
2. Fix jaw plate
3. Pressure iron
4. Bearing retaining ring
5. Bearing cap
6. Bearing seat
7. Bolt
8. Upper side board
9. Bottom side board



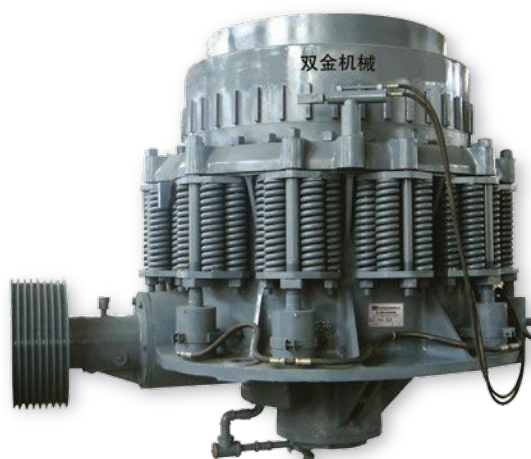
Model	Feeding Size(mm)	Capacity(t/h)	Power(kw)	Dimensions(mm)	Weight(t)
PE-250*400	210	5-21	15	1450*1300*1296	2.8
PE-400*600	350	16-64	30	1565*1732*1586	6.5
PE-500*750	425	45-110	55	1890*1916*1870	10.3
PE-600*900	500	48-180	75	2305*1876*2298	15.5
PE-750*1060	630	115-250	110	2472*2450*2840	27
PE-900*1200	750	144-450	132	3800*3166*3045	50
PE-1000*1200	850	315-550	160	3900*3320*3280	50.6
PE-1200*1500	1020	300-800	220	4300*3540*4043	83
PEX-250*1000	210	16-51	30	1992*1530*1380	6.5
PEX-250*1200	210	20-60	37	2192*1900*1430	7.7
PEX-300*1300	250	20-104	55	2192*2000*1430	11

The producing capacity of this crusher will vary upon different properties, shapes, sizes of the materials fed into the crusher. Undoubtedly the hard and brittle material can be easily crushed as compared with the hard and tough one, and the flake material easily crushed as compared with globular one; the capacity for crushing mixed material consisting of different sizes is higher than that of the material consisting of single size. If the feed size exceeds the max. feed size, and the feed opening is blocked up by the material, consequently the crushing capacity is being lowered.

To improve the crushing capacity and operating performance of this equipment the material has to be fed evenly, which can be realized by using matched feeder. The indicated crushing capacity is based on crushing the medium hardness dry rocks, and its specific weight is 1.6 metric ton per cubic meter.



Symon CONE CRUSHER



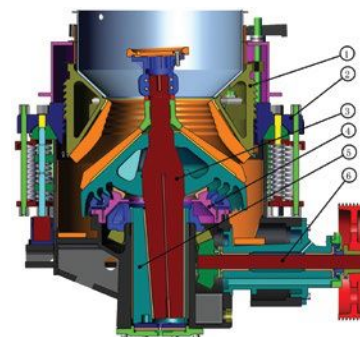
SJ series cone crusher is a new model crusher. It is high-efficient energy-saving, environment-friendly, economic and is widely applied in metallurgical industry, building material industry, road paving industry and chemistry industry. The products can crush rocks and ore with all kinds of hardness and materials. According to crushing requirement, the products can be categorized into three types: coarse size, medium size and fine size.



Model	Cavity	Minimum	Maximum	Power (kw)	Capacity (t/h) in closed edge								
		Discharging (mm)	Feeding (mm)		≤13	≤16	≤19	≤22	≤25	≤31	≤40	≤50	≤65
SJ1650C	Coarse	22	300	220-250						280	400	500	650
SJ1650Z	Medium	19	240	220-250					250	300	450	550	650
SJ1650S	Fine	16	130	220-250				200	250	320	500	600	
SJ1400C	Coarse	19	235	185-220					160	180	250	350	
SJ1400Z	Medium	16	180	185-220				120	170	200	250	350	
SJ1400S	Fine	13	90	185-220		100	130	150	180	220			
SJ1200C	Coarse	16	200	132		70	80	90	110	120	150	250	
SJ1200Z	Medium	13	150	132		80	90	100	120	140	180	250	
SJ1200S	Fine	10	90	132	70	90	100	110	130	160	210		
SKS950Z	Medium	8	120	75		50	70	90	100	120	140		
SKS950S	Fine	6	60	75	50	60	70	80					

Symons Cone crusher top ten advantages:

1. Frame: High strength, beautiful appearance, durable;
2. Semi-automatic, hydraulic adjusting discharge opening can effectively control the sand, crystal size, quickly and easily
3. The tooth plate is no need of filler, and can be replaced more easily. The assembly surface of the mantle and bowl liner is specially designed and processed on the dedicated machine tools.
4. Special design for the crushing cavity to increase the capacity.
5. Over iron protection, safe and reliable, and automatically clear cavity, rapid-saving;
6. Grease labyrinth seal structure, perfect dustproof effect;
7. Oil circulation cooling system is designed in accordance with the actual situation and the characteristics of the customer's requirement, easier to use, and reliable.
8. Bevel gear drive, strong and steady;
9. copper sleeve is produced after a special formula and special process, durable;
10. Small size, light weight, reasonable structure.



1. Adjust cap, adjust screw and liner
2. Frame and springs
3. Shaft and mantle
4. Bowl bearing
5. Bushing
6. Transmission system



Note:

1. Machine parameters in the table do not include the weight of the motor, electronic control equipment, lubrication station, hydraulic station;
2. In the table, processing capability of the crusher design through the following conditions :
The moisture content of materials does not exceed 4%, excluding clay;
The material size what less than the discharging size amounted for less than 10% of the feeding weight.
Feeding density of 1.6t / m³, compressive strength 150Mpa.
3. The data processing capacity in the table will be different out of the physical performance, feed, feed particle size and its incoming moisture contend of the raw material. Closed-circuit production processing capacity is slightly lower than the open-circuit production.



PY Series CONE CRUSHER

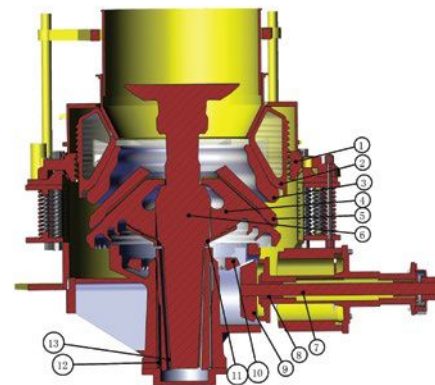


Product Features

- The adjustment of discharge port is easy and quick
- The square iron has overload protection
- Dislocated wall has a uniform wear and long service life
- Good material particle size
- Low maintenance costs
- Stable operation, high reliability
- Use grease seal or water seal

PY Series Cone Crusher

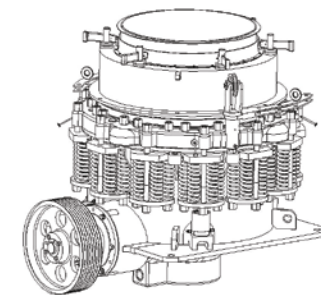
The series of product is normally used in the second crushing and tertiary crushing. It is widely used in the fields of metallurgy, building materials, road building, chemical industry, etc, suitable for crushing the ores and rocks with a medium or above hardness. The standard type is generally used for crushing coarse intermediate crushing, and the short head type is used for the fine crushing.



1. Supporting plate
2. Adjustable bushing
3. Liner
4. Mantle body
5. Mantle
6. Shaft
7. Transmission shaft
8. Shaft bushing
9. Small bevel gear
10. Big bevel gear
11. Bowl bearing
12. Body bushing
13. Main shaft bushing



The structure is compact and its production is high. The use of bowl-shaped bearing offers a high accuracy reserve. The centralized thin oil lubrication, water, or grease sealing and dust control system are used. When the uncrushable materials enter the crushing chamber, the spring safety device can protect the equipment from damage. Crushing with the high of productivity, easy adjustment and low operation cost. This series of crushers is divided into three kinds; primary crusher(PYB), secondary crusher (PYZ), and tertiary crusher (PYD)



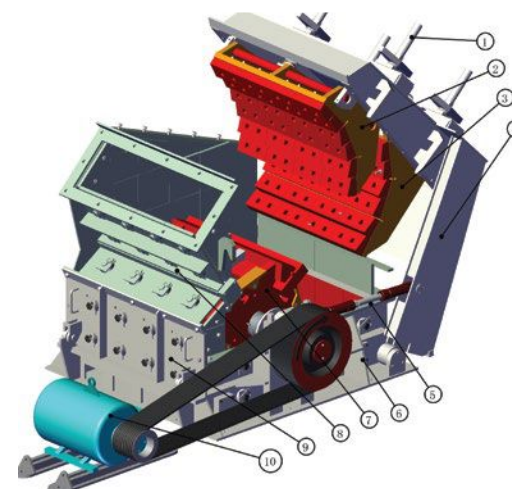
	Model	Max.Feed(mm)	C.S.S(mm)	Capacity(t/h)	Power(kw)	Weight(t)
900	PYB900	115	15-50	50-90	55	11.2
	PYZ900	60	5-20	20-65		11.2
	PYD900	50	3-13	15-50		11.3
1200	PYB1200	145	20-50	110-168	110	24.7
	PYZ1200	100	8-25	42-135		25
	PYD1200	50	3-15	18-105		25.3
1750	PYB1750	215	25-60	280-480	155	49.6
	PYZ1200	185	10-30	115-320		50.3
	PYD1200	85	5-15	75-230		50.3

PF Series IMPACT CRUSHER



Product Features

- No-board connection
- Installed in stationary or portable crushing system
- High chrome steel blow bar minimize likelihood of breakage.
- Greased large size bearings.
- High crushing ratio, and crushing efficiency
- Easy maintenance and reliable operation

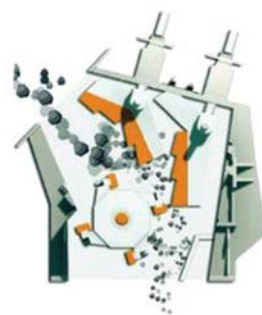
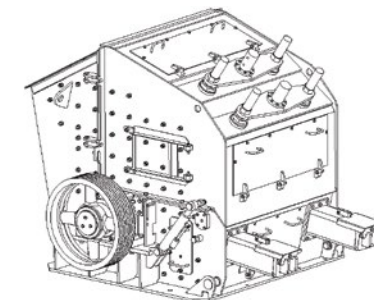


1. Hanging position
2. Impact infront bracket
3. Impact back bracket
4. Welding position for upper cavity and rocker
5. Screw
6. Bottom cavity
7. Rotor
8. Middle cavity
9. Front gate
10. Transmission



Dealing with the material with the side length below 500mm, not more than 350MPa anti pressure strenght, impact crusher can be widely used in crushing the coarse, medium, and fine material (Granite, limestone, concrete). During the process of operating, the rotor at the high speed will be brought along by the electric motor. The material will be impacted by the flat hammer to be crushed, and then to be countered to the liner for the second crushing, then be discharged through the discharge opening

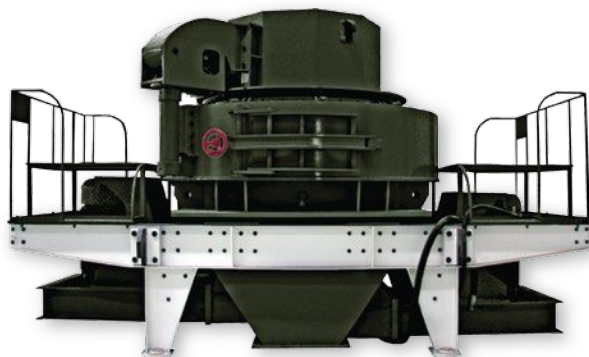
Impact crusher features many advantages; simply structure, non key conection, high chromium flat hammer, special impact plate, simplified crushing process, and high-efficiency and energy conservation, Cubic shape desired products. The discharge opening can be adjusted. It widely use in water and electricity, expressway, and sand.



Model	Spec(mm)	Feed opening(mm)	Max Feed(mm)	Capacity(t/h)	Power(kw)	Weight(t)
PF-1007	Φ1000X700	400X730	250	15-60	45	9.6
PF-1010	Φ1000X1050	400X1080	300	50-90	75	12
PF-1210	Φ1250X1050	400X1080	300	70-130	110	15
PF-1214	Φ1250X1400	400X1430	300	90-180	132	18
PF-1315	Φ1320X1500	860X1520	350	120-250	220	23.5

Vertical Shaft Impact Crusher

Product Features



1. Rotor is the heart of VSI, the success of the Zenith B series VSI attributes to the application of new technology for its deep rotor.

2. The port height of deep rotor is about 50% bigger than that of normal rotor, which means there is a bigger space between distributor and feed eye ring, as well as between the upper and lower wearing plates.

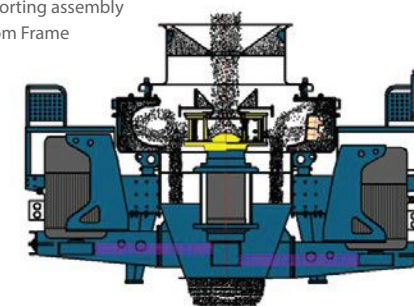
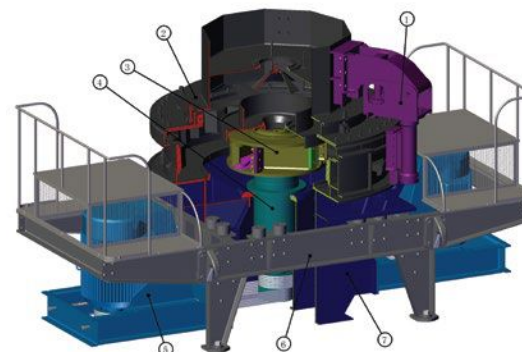
3. With the increased space inside the rotor, more materials can be fed into the rotor, the rotor throughput increases about 30% (sometimes even more).

4. As there is more space in the rotor, materials are shot from the rotor more smoothly, with little throttle between the upper and lower wearing plate. Therefore, when the materials enter the rotor, there is less wear on the upper and lower wearing plates. The lifetime of these wearing parts increase about 30%-50%.

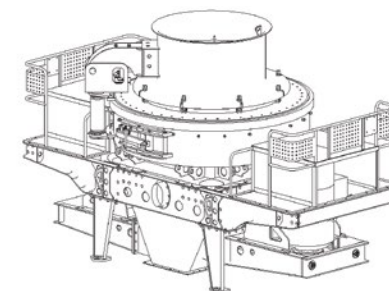
5. This also means less downtime, and higher crusher availability.

B series Vertical Shaft Impact crusher keeps original rock-on-rock principle of vertical shaft crusher. It has advantages of high crushing ratio and good cubic shape of finished products. Application of latest deep rotor technology increases the production ulteriorly and decreases the unit spare parts & energy cost. The production cost, it is your best choice for producing.

1. Cover rotary assembly
2. Upper frame
3. Rotor assembly
4. Bearing
5. Transmission assembly
6. Supporting assembly
7. Bottom Frame

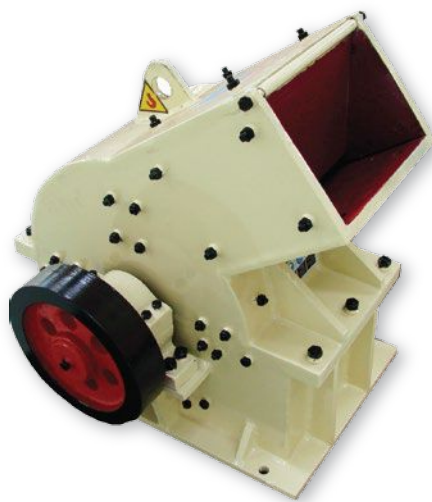


Optimized design of layout of spare parts increases the utilization ratio of spare parts and provides more efficient protection for crusher body. Key parts are made of advanced cemented carbide, taking the lead of practical application of science and technology achievements. Humanized design enables convenient operation and maintenance, based on above quality, B series deep rotor vertical shaft impact crusher not only produces high quality aggregate, but also minimizes



Model	Capacity(t/h)		Max feed (mm)		REV (r/min)	Power (kw)	Dimension (mm)
	Center & Sides	Center	Soft material	hard material			
B-7611	120-180	40-60	35	30	1700-1890	55*2	4100*2250*2258
B-8518	200-260	60-90	40	35	1520-1690	90*2	4140*2280*2425
B-9526	300-380	100-130	45	40	1360-1510	132*2	4560*2450*2780
B-1140	450-520	120-150	50	45	1180-1310	200*2	5100*2690*3200

PC Series Hammer Crusher



The PC hammer crusher materials by the collisions between high speed hammer and material, which features its simple structure, high reduction ratio, high efficiency, etc. The PC hammer crushers are developed for both dry and wet crushing of brittle, medium-hard materials of the mining, cement, coal, metallurgical, construction, road building, and petroleum & chemical industries

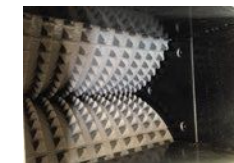
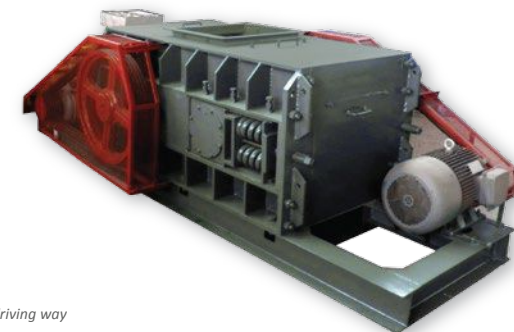


Model	Input size(mm)	Output size(mm)	Capacity(t/h)	Power(kw)	Weight(t)
PC 400X300	<100	<25	5-10	11	0.8
PC 600X400	<220	<25	10-25	22	1.5
PC 800X600	<350	<25	20-50	55	4.7
PC 800X1000	<400	<35	20-75	110	7.9

2PG series Double Roller Crusher is suitable for compressive strength less than 300Mpa, the water less than 35% of the hard, hard and soft materials, particle size of less than 110mm, finished product size requirement of 50 -20mm in the broken and finely homework. Such as all kinds of ore, chemical fertilizer, coke, coal, cement clinker, slag, gypsum ceramic raw materials, water, salt, chemical feedstock or with more than hardness solid material equivalent. Widely used by cobblestone, construction waste artificial system sand; mining fine iron ore, quartz stone crushing raw materials; ceramic industry.

Note:

All the models can use the triangular belt or shaft coupling for driving way



Double Roller Crusher

Model	Specification (mm)	Capacity(t/h)	Power(kw)	Feeding size(mm)	Discharge size(mm)	Protection way
2PG0202CT	Φ-200*200	2-10	2.2*2	<60	5-35	Spring
2PG0404CT	Φ-400*400	6-40	4*2	<120	10-50	
2PG0605CT	Φ-600*500	10-80	11*2	<200	10-60	
2PG0806CT	Φ-800*600	20-150	15*2	<300	10-80	
2PG1008CT	Φ-1000*800	30-200	22*2	<400	10-100	
2PG1208CT	Φ-1200*800	40-280	30*2	<500	10-120	Spring or Hydraulic
2PG1212CT	Φ-1200*1200	50-350	45*2	<600	10-150	
2PG1612CT	Φ-1600*1200	65-450	55*2	<700	10-180	
2PG1616CT	Φ-1600*1600	80-600	90*2	<800	10-190	
2PG1816CT	Φ-1800*1600	90-800	110*2	<900	10-200	
2PG2012CT	Φ-2000*1200	150-1200	132*2	<1000	20-300	
2PG2018CT	Φ-2000*1800	150-1200	132*2	<1100	20-300	

Vibrating Feeder

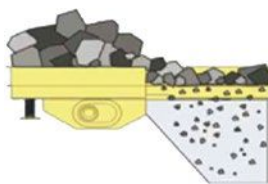
Product Features



- Easy to change and control currency through adjusting excitation force
- Double eccentric shaft is the exciting source, low noisy, low electricity
- Sealing structure body is employed, no pollution.
- Eccentric counter-rotating timed vibrator shafts.
- Bolted vibrator and grizzly assembly, easy for maintenance.
- Stable and long service life.

GZD Series Vibrating Feeder is built to withstand the toughest work in a quarry or mine by matching different applications; the feeder series is designed particularly for continuous use with any hard and abrasive materials through uniform flow. They are backed by years of

service proven performance in the mining, aggregates, glass, cement, chemical, wood products and steel industries.



Model	Hopper size (mm)	feeding size (mm)	REV (r/min)	Capacity (t/h)	Motor power (kw)	Overall Dimensions (mm)
GZD850x3000	3000x850	400	500-650	40-100	2x2.2	3050x1430x1550
GZD960x3800	3800x960	500	500-720	100-160	11	3882x2240x1880
GZD1100x4200	4200x1100	580	500-800	150-250	15	4300x2450x2010
GZD1100x4900	4900x1100	580	500-800	120-320	15	4980x2450x2010
GZD1300x4900	5900x1100	600	500-800	200-350	22	4980x2710x2050
GZD1500x6000	1500x6000	800	500-800	350-600	30	6160x2919x2293



YK Series Vibrating Screen is a kind of sieving equipment of international advanced level, developed by our company on the basis of carrying on the advantages of traditional screens and absorbing the outstanding technology from abroad. It is widely used for grading and screening materials in the following field: minerals, quarry, building materials, water conservancy and hydropower, transportation, chemical industry, smelting and so on.



Vibrating Screen

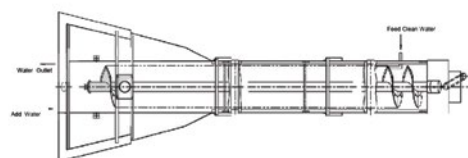
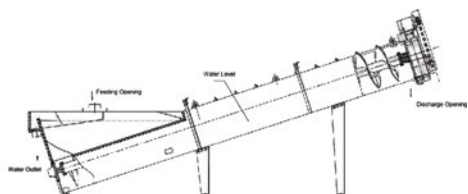
Model	Deck No.	Capacity (t/h)	Feeding Size (mm)	Power (kw)	Weight (t)
2YK1237	2	30-45	200	7.5	3.1
3YK1237	3	40-50	200	7.5	3.5
2YK1548	2	50-70	200	15	4.5
3YK1548	3	65-80	200	15	4.8
2YK1854	2	80-90	200	22	7.4
3YK1854	3	85-95	200	22	8.5
2YK1860	2	90-150	200	22	8.7
3YK1860	3	100-165	200	22	9.5
4YK1860	4	120-185	200	22	10.8
2YK2160	2	160~250	200	30	7.85
3YK2160	3	160~260	200	30	9.85
4YK2160	4	170~300	200	30	11.22
2YK2460	2	180-350	400	37	12.35
3YK2460	3	200-400	400	37	13.85
4YK2460	4	250-500	400	37	15.1

Sand Washing Machine

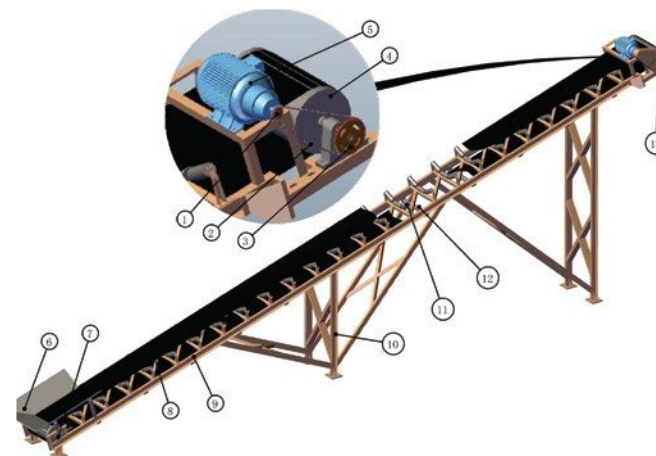
LSX series Sand Washing Machine is mainly used for sand processing, electric pole factory, building work site and concrete dam, various sands classifying and dewatering. Sand Washer, mainly used in combination with VSI sand making machinery, is highly-efficient equipment for washing and classifying sand. As the best option for sand washing, it upgrades sand particles by removing dust, dirt or other impurities with high washing efficiency, sturdy construction, high capacity and low failure rate. This sand washer adopts inclination of 15°, under the water tub, three weir plates form the sediment pool, the screw is driven by electric motor through reducer rotating continuously, the fresh water is feeding from porous plate at bottom of sediment pool, this machine have three functions of washing, dewatering, classifying.



Model	Screw Diameter (mm)	Tank Length (mm)	Max Feeding (mm)	REV (r/min)	Capacity (t/h)	Power (kw)	Water Consumption (t/h)	Machine Size (mm)
LSX920	920	7585	≤10	21	100	6-11	10-80	8420×2180×3960
2LSX920	920	7580	≤10	21	200	6-11×2	20-160	8420×3970×3960
LSX1120	1120	9750	≤10	17	175	6-18.5	20-150	10770×3950×4860
2LSX1120	1120	9750	≤10	17	350	6-18.5×2	40-300	10770×5260×4860



Belt Conveyor



conveyor belt is one or more units of material transport systems, which can take a wide variety of goods ranging material density of 500-2500 kg/m³. Moreover can be operated at temperatures -300c- 800c. and general use in the field of materials, chemical industry, light industry, petroleum industry. belt conveyors for specific environments, such as in heat-resistant, cold-resistant, waterproof, anti-corrosion, explosion-proof, flame-retardant, and other conditions can be used for protection measures.

Model	Speed(m/s)	0.8	1	1.25	1.6	2	2.5	3.15	4	4.50	5
B500		69	87	108	139	174	217				
B650		127	159	198	254	318	397				
B800		198	248	310	397	496	620	781			
B1000		324	405	507	649	811	1014	1278	1622		
B1200			593	742	951	1188	1486	1872	2377	2674	2971
B1400				1032	1321	1652	2065	2602	3304	3718	4130

Magnetic Separator

Magnetic Separators are simple in terms of structures. They can be simply installed at the head of belt conveyors. They are also suitable for de-ironing non-metallic materials. This Magnetic Separators is made from rare-earth permanent magnetic material--NdFeB. Their magnetic field intensities can be chosen based on different requirements.



Applicable scope:

It is used together with belt conveyor, vibrating feeder, etc; applicable to automatic removal of 0.1-35kg ferro-magnetic materials from moving materials, and extensively applied in cement, metallurgy, mine, glass, coal and other industries.

Model	Belt width adaptive (mm)	Suspension height rated (mm)	Magnetic intensity SHR (mt)	Material Thickness (mm)	Motor POWER (kw)	Belt Velocity (m/s)	Weight (kg)	Overall Dimensions (L*W*H)mm
RCYD-5	500	150	60	80	1.5	≤2.5	750	1900*735*935
RCYD-6.5	650	200	70	150	2.2	≤2.5	1200	2165*780*1080
RCYD-8	800	250	70	200	2.2	≤2.5	1400	2350*796*1280
RCYD-10	1000	300	70	250	3.0	≤2.5	2120	2660*920*1550
RCYD-12	1200	350	70	300	4.0	≤2.5	3350	2900*970*1720
RCYD-14	1400	400	70	350	4.0	≤2.5	4450	3225*1050*1980

Belt Weigher

Electronic belt scale is continuous measurement devices, mounted on the conveyor belt. Simple structure, measurement accuracy, stable use, easy operation, low maintenance. Not only suitable for routine environment, but also to acid, alkali, salt and atmospheric corrosive environments. Widely used in building materials, metallurgy, electric power, chemical industry, coal, mining, ports and other sectors of the transportation process recognized.



Features

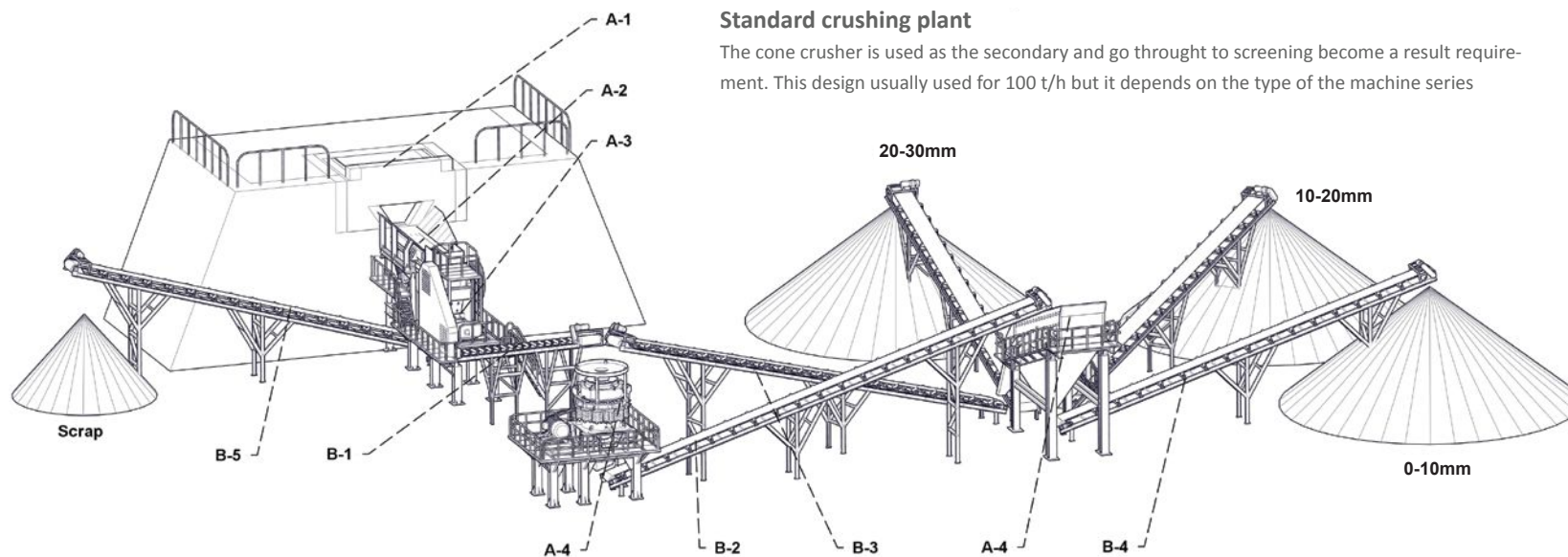
- 1.Unique and suspending structure is adopted.
- 2.Touch screen is adopted, which can test monitor screen and display data.
- 3.Speed measurement can measure by gear
- 4.Miniprinter can be matched
- 5.Measuring accuracy:0.5%-3%
- 6.Weighing capacity:≤6000T/H
- 7.Speed of belt :0.1-4M/S
- 8.Width of belt :400-2200MM
- 9.Angle of belt:0-17°

Spareparts





Flow Chart

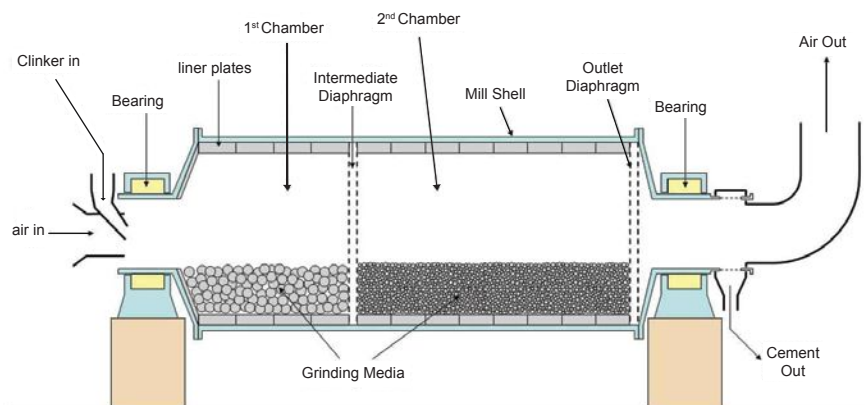


Ball Mill



Ball Mill Series

Ball mill is the key equipment for secondary grinding after crushing, and it is suitable for grinding all kinds of ores and other materials, no matter wet grinding or dry grinding. Besides, it is mainly applied in many industries, such as ferrous & non-ferrous metal mine, building materials, chemical, electric power, coal, traffic, light industry, etc. In our company, this series of high-efficiency ball mill adopts rolling bearing support instead of sliding bearing support with bearing bush. Therefore, it can save energy by 10-20%. According to different discharging ways, it can be divided into two kinds, grate type and overflow type



Model	Cylinder rotary speed (r/min)	Loading ball weight (t)	Input size (mm)	Discharging size (mm)	Capacity (t)	Power (kw)	Weight (t)
900X1800	38.2	1.5	<20	0.075-0.89	0.8-2	18.5	4.6
900X3000	38.2	2.7	<20	0.075-0.89	1-4	22	5.6
1200X3000	32.2	3.5	<25	0.074-0.4	1.6-5	37	12.8
1200X4500	32.2	5	<25	0.074-0.4	1.6-5.8	45	13.8
1500X3000	26.6	7.5	<25	0.074-0.4	2-5	75	15.6
1500X5700	26.6	12	<25	0.074-0.4	3.5-6	115	24.7
1830X3000	24.8	11	<25	0.074-0.4	4-10	130	28
1830X6400	25	21	<25	0.074-0.4	7-16	210	34
1830X7000	25	23	<25	0.074-0.4	8-18	210	36
2100X3600	24.5	19	<25	0.074-0.4	10-36	210	46
2200X4500	21.5	27	<25	0.074-0.4	12-23	280	48.5
2200X6500	21.5	35	<25	0.074-0.4	14-26	380	52.8
2200X7000	21.5	35	<25	0.074-0.4	15-28	380	54
2200X7500	21.5	35	<25	0.074-0.4	15-30	380	58
2400X4500	20.82	30	<25	0.074-0.4	18-45	380	65
2400X8000	20.82	36	<25	0.074-0.4	20-48	410	81
2700X3600	20.53	39	<25	0.074-0.4	19-75	400	83
2700X4000	20.53	40	<25	0.074-0.4	20-78	400	85
2700X4500	20.53	48	<25	0.074-0.4	22-85	450	89
3200X4500	18.44	65	<25	0.074-0.4	29-140	800	137
3200X5400	17	81.6	<25	0.074-0.4	30-180	1000	146
3600X4500	17	88	<25	0.074-0.4	35-210	1000	190
3600X6000	17	117	<25	0.074-0.4	38-240	1250	220
3600X8500	17	144	<25	0.074-0.4	45-260	1800	260



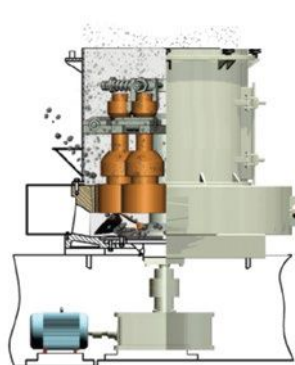
Grinding Mill

Grinding Mill MTM Series



MTM Medium Speed Trapezium Mill is a leading-world-level industrial mill. It is designed by our own engineers and technical workers, basing on industrial mill research of many years and adopting world-leading-powder processing technology. Our machine adopts many advantages from numbers of mill all over the world, such as trapeziums working surface, flexible connection, roll linked pressure boost, etc. It has overcome the traditional mills defect completely in application, capacity, fineness, energy consumption, service life, etc.

And it is the ideal substitute of the traditional mill, such as Raymond mill, high pressure suspension mill, ball mill, etc. Nowadays, our products have been widely used in metallurgy industry, electric power industrial, chemical, building, steel industry, coal industry, etc. And it has brought large economic benefits to our customers and the society



Technology advantages

1. High efficient design of roller and ring: the roller and ring are in trapezium type of different diameter (upper side is bigger than lower side), this design can reduce material drop speed, extend the grinding time, so the power forming percentage and grinding efficiency are increased.
2. Pressure-adding spring design: symmetrically, the roller assembly is connected by horizontal spring through rod, when material pass the assembly, the radial force can pass to symmetrical assembly through spring rod to keep balance.
3. Smooth vibration reduce design: the main unit and upper side classifier are connected by spring, and sealed with soft belt, which reduce the noise, sympathetic vibration is also avoided.
4. High density design of vanes: the higher vane density, the more fineness of final product. That is, same fineness, the vane rotation speed of high density is slower than low density, which means the air resistance is smaller, so the capacity and efficiency are increased.
5. Convenient vane adjust design: gap between vane end and shell are the main factor of product fineness, this is one patent of this mill.
6. High efficiency blower design: this mill is equipped with most advanced centrifugal blower, whose efficiency is 25% higher than traditional blower.
7. Besides, our MTM 190 adopts unique automatic circulate thin oil lubrication system, when roller rotates, the oil is sent to upper bearing due to screw pump theory. And with four different types of seal combination, the seal effect much more efficient than traditional seal, the lifetime of bearing is thus prolonged. Box pulse duster is introduced, it is better than other duster in automatization and environmental protection effect. We also introduce newest system collocation scheme in the whole set equipment, this scheme not only save the space, but also decrease energy consumption of flowing air in system. Good basis is established to achieve higher economic benefit.



Technical Model	Product	MTM100	MTM100	MTM100	MTM100
Number of roller (piece)		4	5	6	6
Major diameter of roller X Height (mm)		320 X 200	400X240	440X270	540X280
Main shaft speed (r/min)		130	98	82	66
Feeding size (mm)		<25	<30	<35	<40
Grain size of finished product (mm)		1.6 - 0.45 minimum 0.038	1.6-0.045 minimum 0.038	1.6-0.045 minimum 0.038	1.6-0.045 minimum 0.038
Output (t/h)		6-13	6-13	13-22	18-38
Overall dimension (mm)		7293X7157X8310	8200X8450X9645	12550X7224X8355	16000X9400X9300
Total weight (t)		16	26.1	38	50



Name	Item	Unit	MTM 100	MTM 130	MTM 160	MTM 190
Main motor	Model		Y225M-4	Y280M-4	Y315M1-4	Y315L-4
	Power	kw	37	75	132	200
	Speed	r/min	1480	1480	1480	1480
Speed adjustable motor	Model		YCT200-4A	YCT200-48	YCT225-4A	YCT250-4A
	Power	kw	5.5	7.5	11	18.5
	Speed	r/min	125-1250	125-1250	125-1250	130-1300
Motor of elevator	Model		Y100L2-4	Y100L2-4	Y112M-4	Total height 10.55m Y132M-4
	Power	kw	3	3	4	7.5
	Speed	r/min	1420	1420	1420	1440
Motor of blower	Model		Y225S-4	Y280S-4	Y315M-4	Y315L-4
	Power	kw	37	75	132	200
	Speed	r/min	1480	1480	1480	1480
Motor or jaw crusher	Model	PE	200X350	240X400	250X750	250X1000
			Y160M-6	Y180L-6	Y200M-6	Y220M-6
	Power	kw	7.5	15	22	30
Magnetic vibration feeder	Model		GZ2F	GZ3F	GZ3F	GZ4F
	Power	kw	0.15	0.2	0.2	0.45
Pulse duster	Model					LQM32-4
	Total filter	m ²				124
Air compressor for dusting (prepared by customer)	Model					
	Pressure	mpa				0.5-0.7
	Air requirement	m ³ /min				0.37-0.4
Screw conveyor	Model					L315X9m
	Power	kw				3
	Speed	r/min				60
Gyrating discharging valve (3 set)	Model					16
	Power	kw				1.1
	Speed	r/min				24



Portable Crushing Plant

LD Series Portable Crushing Plant

We are professional in designing, manufacturing, and supplying high quality mobile crushing plant. To meet customers' specific needs, our new LD series mobile crushing plants can be equipped with jaw crusher, cone crusher, impact crusher, VSI crusher, and vibrating screen. The capacity is from 100 tons per hour to 600 tons per hour. All our LD series mobile crushing plants featured with high performance, reliability, convenient transportation, quick installation, easy operation and simple maintenance.



Feature

1. The blasted rocks are fed into our mobile crushing plant by excavator or loader directly without using truck to transport the materials to the stationary crushing plant. There will be little traffic vehicles investment in the crushing plant. The fuel and tire consumption of the truck and the labor costs are greatly reduced.
2. Every LD series crushing or screening plant is one completed system, which integrated feeding hopper, feeder, crusher or screening, belt conveyor, power supply, and driving device into one unit. It can be easily and quickly set up and relocated at site without other special preparation and modification. This feature makes it is the excellent choice of contractor who need moving the crusher from site to site.
3. LD series jaw and impact crushing plants are the best solution of demolition recycling which heavily emphasize mobility and efficiency. The compact design ensures LD series crushing plants have the best transportability and more crushing capacity.
4. In mobile crushing and screening process, whether the customer require two-stage or three-stage plant, the combination of LD series mobile crushing and screening plants can provide the customer optimum solution, and our outstanding designing team are ready to customize a plant to fit all the customer specific requirements.



Y Series Portable Crushing Plant

Y series mobile crushing plant is designed based on the conception of fully adapting various crushing condition, eliminating obstacles caused by location, environment, foundation configuration, consequently providing simple, efficient, low-cost crushing equipment. The outstanding features of Y series mobile crushing plant are:

- () Built with high quality jaw crusher, cone crusher and impact crusher
- () Feeder, screen and belt conveyor on board
- () Tractive steering shaft, convenient for road transportation
- () Integrated with landing gears, quick and convenient installation on site
- () Integrated motor and control panel



Feature

1. Easy to transport
Y series portable plant has high on-board chassis, short wheel base and tight turning radius, which is convenient for road transportation, especially for driving to crushing sites that are difficult to access. The set-up time of the portable plant are greatly reduced, compared with the stationary one.
2. Greatly reduce material transportation cost
Y series portable plants crush the material on site, without transporting the materials for off-site crushing, so the material transportation cost is greatly reduced.
3. Wide applications
According to different customers' requirements, Y series portable plant can be operated as independent units, or as two-stage crushing plant with primary and secondary crushing, or as three-stage crushing plant with primary, secondary, and tertiary crushing. Likewise, Y series portable plant can be easily adjusted to suit the crushing application by choosing feeding to crusher or feeding to screen options
4. Reliable performance and convenient maintenance
Y series crushing plants adapt excellent quality crusher, screen and feeder made from Shanghai Zenith Company, yet the quality is stable and reliable. Normal belt conveyor can be used for conveyance of material, which is of mature technology, simply operation, easy maintenance, and low investment.
5. Customized production and flexible configuration
We can provide special mobile crushing plant based on customers' site, material, and particle shape requirements, etc. Such as self-load belt conveyor, multiple machines combined type, single machine type and so on.



Site Project

