MOUNTAIN RIVER MACHINERY

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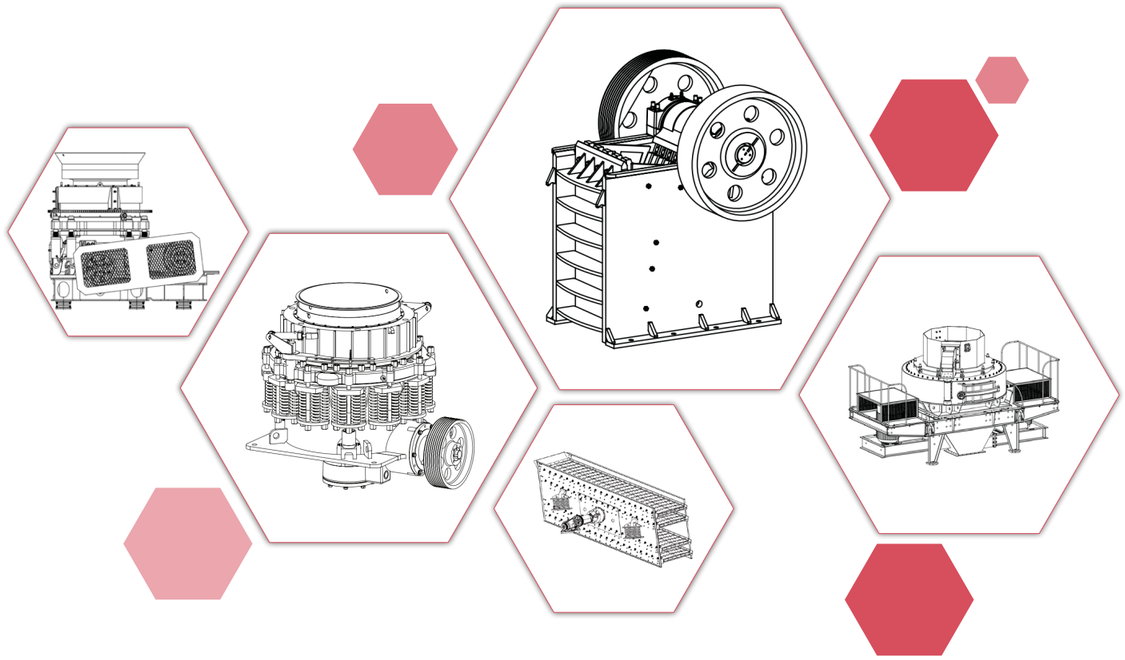
MOUNTAIN RIVER MACHINERY



MR STONE CRUSHER

SHANGHAI MOUNTAIN RIVER MACHINERY CO.,LTD

CRUSH THE STONES, CONSTRUCT THE WORLD

PRODUCT CONTENT

Company Profile

Shanghai Mountain River Machinery Co.,Ltd (MR) is a professional manufacturer of crushing equipment, grinding equipment, briquette equipment, other auxiliary equipment and all their spare parts. MR factory covers around 600,000 square meters, with function of material pre-processing, fabrication, assembling, quality control process, test process, finished products storage, spare parts storage, loading and delivery process.

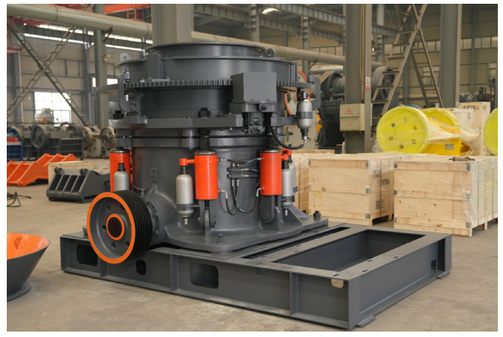
In the past few decades, we have been focused on the design, research&development, manufacturing, sales, installation, and maintenance of mining equipment. Our main products are: jaw crusher, cone crusher, impact crusher, vertical shaft impact crusher, hammer crusher, vibrating feeder, vibrating screen, sand washer, belt conveyor, raymond mill, high pressure mill, high efficiency mill, ultrafine mill, ball mill, coal briquette machine, mining powder briquette machine, non-metal powder briquette machine, high pressure briquette machine, etc. These equipments are widely used in the industry of mining, construction materials, chemicals, metallurgies, transportation, hydraulic engineering and so on.

With certification of ISO9001:2000 and CE, our machines have been exported to more than 130 countries and regions in the world. With headquarter located in Shanghai China, 2 branch companies and 1 warehouse of spare parts abroad, we have been committed to provide our customers with the best quality and most cost-effective equipment.

MR China, your most loyal partner!

MR Factory Photos









MR Factory Photos









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PE/PEW Jaw Crusher

Introduction

PE/PEW jaw crusher is used as primary crushing to crush ores and bulk materials to medium particle size. The suitable materials are granite, marble, basalt, limestone, quartz, pebble, iron ore, copper ore, etc. It is widely used in mining, metallurgy, building, highway, railway, water conservancy and chemical industry, etc.

Main Features

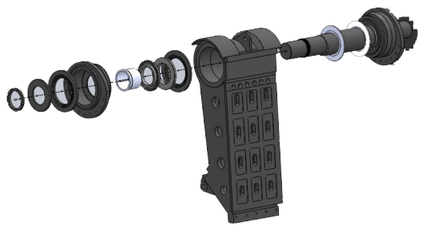
- PE/PEW: Simple structure, easy maintenance, low operation cost.
- PE/PEW: High crushing ratio, high crushing efficiency, reliable operation.
- PEW: V structure cavity makes the feeding opening bigger, which can increase the production capacity.
- PEW: The bearing seat adopts an integral cast steel structure to ensure full cooperation with the crushing frame and greatly enhance the radial strength of the bearing seat.
- PEW: A centralized lubrication device is installed on the equipment, which makes the lubrication of the bearing more convenient.
- PEW: The size of the discharge opening can be adjusted by the hydraulic cylinder, which is more convenient and quick.

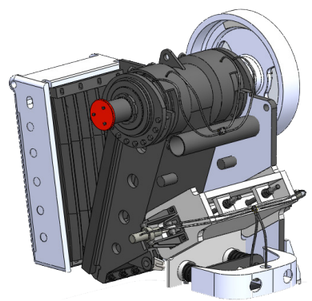
Main Structure PE

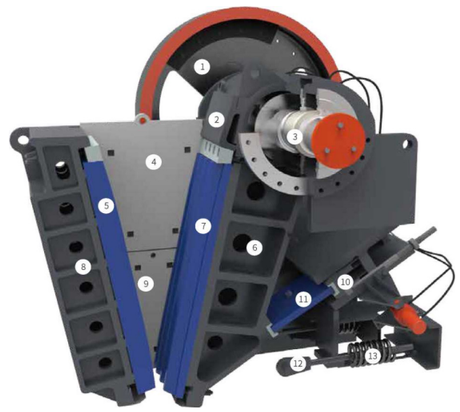
1. Flywheel	2. Upper Guard Plate
3. Fixed Jaw Plate	4. Frame
5. Lower Guard Plate	6. Tension Rod
7. Eccentric Shaft	8. Movable Jaw
9. Movable Jaw Plate	10. Adjustment Seat
11. Toggle Plate	12. Spring

Main Structure PEW

1. Flywheel	2. Guard Plate of Movable Jaw	3. Eccentric Shaft
4. Upper Lining plate	5. Fixed Jaw Plate	6. Movable Jaw
7. Movable Jaw Plate	8. Frame	9. Lower Lining Plate
10. Adjustment Device	11. Toggle Plate 12.Tension Rod	13. Spring







Technical Parameters

Model	Feeding Opening (mm)	Max. Feeding Size (mm)	Discharge Port Adjustment Range (mm)	Capacity (t/h)	Power (kW)
PE150*250	150*250	125	10-40	1-3	5.5
PE200*350	200*350	180	15-50	1-6	11
PE250*400	250*400	220	20-50	5-21	15
PE250*750	250*750	220	25-60	8-22	22
PE250*1000	250*1000	220	20-40	15-50	30
PE250*1200	250*1200	220	20-40	20-70	37
PE300*1300	300*1300	250	20-90	20-85	75
PE400*600	400*600	350	40-100	15-70	30
PE500*750	500*750	425	50-100	40-110	55
PE600*900	600*900	500	65-160	70-120	75
PE750*1060	750*1060	630	80-140	120-260	90
PE900*1200	900*1200	750	95-165	220-380	130
PE1000*1200	1000*1200	850	195-265	230-380	130
PE1200*1500	1200*1500	1020	150-300	400-800	200
PEW250*1000	250*1000	220	20-40	15-50	37
PEW250*1200	250*1200	220	20-40	20-50	37
PEW400*600	400*600	350	35-85	15-70	37

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C European Jaw Crusher

Introduction

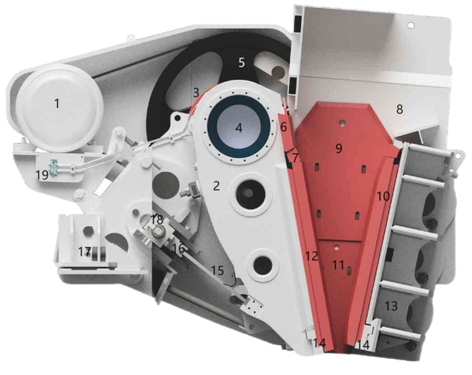
C European jaw crusher is suitable for crushing various ores and rocks with a compressive strength not exceeding 320 MPa, such as river stones, granite, basalt, iron ore, limestone, quartz stone, construction waste and more than 200 kinds of hard materials. It has higher crushing efficiency than traditional jaw crushers.

Main Features

1. The main machine body adopts a non-welded frame structure, using high-strength plates and finely processed pins to form a solid frame, which can avoid the reduction of equipment durability due to force concentration when the equipment is subjected to impact loads.
2. The optimized crushing chamber is adopted, the feed port size is well matched with the crushing chamber height, and the length-to-width ratio of the feed port has been strictly tested to avoid blockage to the greatest extent.

3. The discharge opening adjustment device adopts a double wedge structure, which is convenient and reliable. Customers can choose to use a mechanical adjustment device or a hydraulic adjustment device. Adjusting the discharge opening is convenient and quick, reducing downtime during adjustment.
4. The movable jaw assembly, pulley and flywheel are all made of high-quality steel castings or iron castings, which are more durable. The high-strength forged eccentric shaft and famous brand bearings are used, which have strong reliability.
5. Strictly following the kinematic performance design, it adopts the design of large centrifugal force and steep toggle plate inclination, which makes the effective stroke at the bottom of the crushing chamber larger and ensures that the equipment has strong power.
6. The integrated motor seat design saves the space required for installing the jaw crusher. The motor seat can be moved to adjust the tension of the triangular belt, which can extend the service life of the triangular belt and reduce the cost of use.
7. The elastic limit block and rubber shock-absorbing device are used to replace the rigid anchor connection to effectively absorb the vibration peak load, thereby reducing the mutual impact between the crusher and the foundation, reducing the damage to the foundation, and also increasing the service life of the crusher.

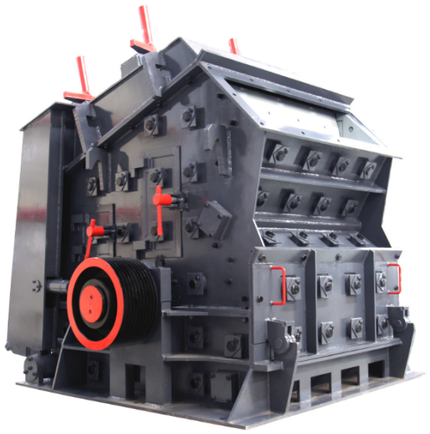
1. Motor	9. Upper Side Protecting Plate
2. Movable Jaw	10. Fixed Jaw Plate
3. Bearing Block	11. Lower Side Protecting Plate
4. Eccentric Shaft	12. Movable Jaw Plate
5. Wheel&Fly Wheel	13. Main Frame
6. Protecting Plate for Movable Jaw	14. Lower Baffle of Jaw Plate
7. Lock Block for Movable Jaw	15. Toggle Plate
8. Feed Hopper	16. Adjusting Seat
	17. Mounting Base

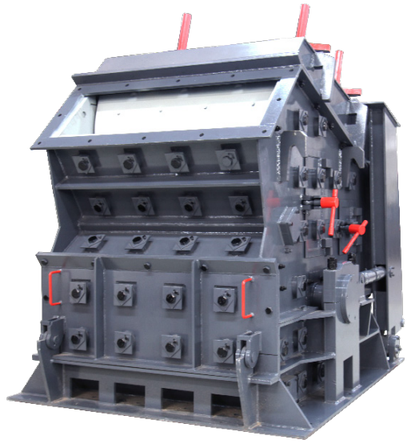


Technical Parameters

Model	Feeding Openning (mm)	Max. Feeding Size(mm)	Discharge Port Adjustment Range (mm)	Capacity (t/h)	Power (kW)
C80	520*800	420	60-150	80-290	75
C100	760*1000	650	70-200	140-400	110
C106	700*1060	600	70-200	140-420	110
C110	850*1100	720	80-200	160-550	160
C120	870*1200	740	100-200	200-650	160
C125	950*1250	800	100-250	230-760	160
C145	1100*1450	920	125-275	320-950	200
C160	1200*1600	1020	150-300	410-1150	250
C200	1500*2000	1200	175-300	610-1510	400
CJ6310	630*1000	580	80-180	100-195	75
CJ8711	870*1100	720	85-220	130-360	110
CJ1113	1100*1300	940	120-260	260-580	160
CJ1216	1200*1600	1050	165-320	450-800	220

PF Impact Crusher





Introduction

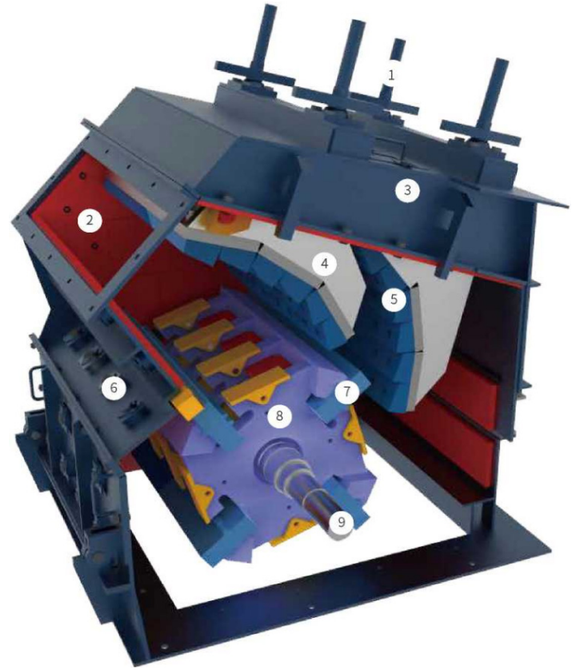
PF impact crusher is currently the most widely used crushing equipment for crushing medium-hard or soft materials. The suitable materials are pebble, limestone, granite, basalt,etc. The output size is adjustable and the broken process is simple. It is widely used in mining, metallurgy, cement, building materials, chemical industry, water and electricity, etc. Based on the technology of the traditional impact crusher, its crushing chamber and rotor have been optimized in design.

Main Features

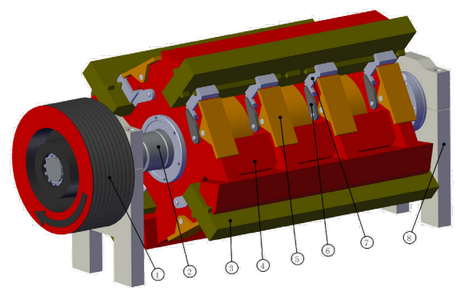
- The optimized cavity can produce better-shape aggregates.
- The optimized rotor can offer higher production efficiency.
- Easy adjustment, simple and reliable maintenance.
- High-manganese steel impact plate are fixed with bolts to achieve a higher utilization rate and convenient replacement, and the hammer plate made from high-chromium cast iron can have a longer service life.

Main Structure

1. Adjustment Device	2. Rack Liner	3. Rear Rack
4. Counter Rack	5. Impact Liner	6. Front Rack
7. Blow Hammer	8. Rotor	9. Main Shaft



1. Large Pulley	2. Rotor Shaft
3. Blow Hammer	4. Rotor Body
5. Guard Plate	6. Baffle
7. Compression Block	8. Bearing Box Support Plate and Gland



Technical Parameters

Model	Specifications of Rotor (mm)	Feeding Opening (mm)	Max. Feeding Size (mm)	Capacity (t/h)	Power (kW)	Overall Dimension (mm)
PF1007	Φ1000*700	400*730	300	30-70	37-45	2330*1660*2300
PF1010	Φ1000*1050	400*1080	350	50-80	55-75	2440*2250*2630
PF1210	Φ1050*1250	400*1080	350	70-120	110-135	2700*2340*2870
PF1214	Φ1400*1250	400*1430	350	80-160	132-160	2700*2440*2900
PF1315	Φ1300*1500	860*1520	350	160-260	180-260	2860*2440*2900
PF1320	Φ1300*2000	993*2000	500	280-380	250	3220*3100*3120
PF1520	Φ1500*2000	830*2040	700	380-550	315-400	3959*3564*3330



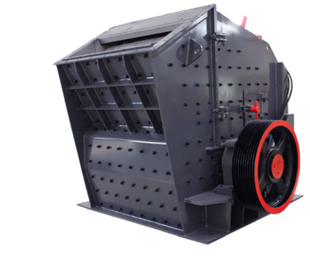
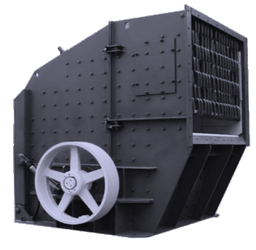

PFW Hydraulic Impact Crusher

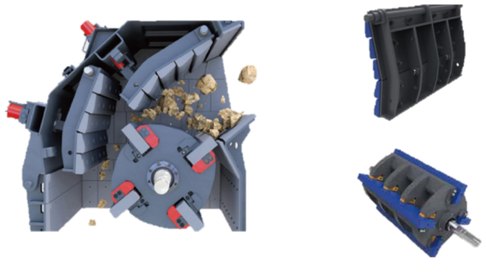
Introduction

PFW hydraulic impact crusher is a new high-efficiency hydraulic control impact crusher developed on the basis of traditional PF impact crusher. Compared with the traditional PF impact crusher, the PFW hydraulic impact crusher has simpler operation, longer service life of wearing parts and higher performance. The rotor and impact frame of PFW hydraulic impact crusher have been redesigned and there is a hydraulic system to adjust the machine.

Main Features

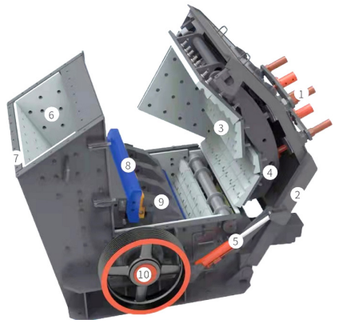
- Hydraulic control system, more convenient maintenance.
- More special design rotor, higher production efficiency.
- The optimal design of the cavity type can ensure better-shape aggregate.
- Two models: coarse crushing and medium crushing. The coarse crusher can be fed larger materials, and can be used as coarse crushing equipment; The secondary crusher is equipped with a third chamber counter-attacking broken plate, and the crushed materials are crushed and ground again under the action of the third chamber. It can produce fine and graded aggregates. It is especially suitable for producing high-quality sandstone materials.

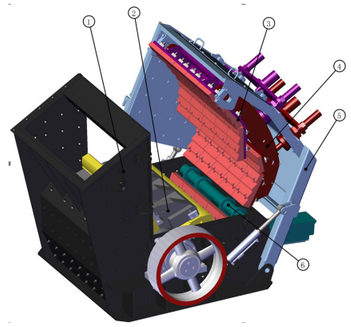





Main Structure

1. Hydraulic Adjustment Device	2. Rack Liner	3. Impact Liner
4. Counter Rack	5. Hydraulic Lifting Device	6. Rack Liner
7. Front Rack	8. Blow Hammer 9. Rotor	10. Bearing Box





1. Lower Frame	2. Rotor	3. First Impact Plate
4. Second Impact Plate	5. Upper Frame	6. Third Impact Plate

Technical Parameters

Model	Specifications of Rotor (mm)	Feeding Opening (mm)	Max. Feeding Size (mm)	Capacity (t/h)	Power (kW)	Overall Dimension (mm)
PFW1210II	Φ1150*960	1100*1030	400	90-160	90-110	2400*1870*2550
PFW1214II	Φ1150*1400	1100*1430	500	130-200	132-160	2400*2310*2550
PFW1315II	Φ1300*1500	1200*1530	600	180-320	160-200	2700*2570*2800
PFW1318II	Φ1300*1800	1200*1830	700	240-400	200-250	2700*2870*2800
PFW1415II	Φ1400*1500	1450*1530	800	260-450	200	3000*2700*3070
PFW1210III	Φ1150*960	570*990	250	70-140	90-110	2550*1870*2100
PFW1214III	Φ1150*1400	570*1430	250	90-170	132-160	2550*2310*2100
PFW1315III	Φ1300*1500	625*1530	300	180-270	160-200	2960*2570*2380
PFW1318III	Φ1300*1800	625*1830	300	220-300	200-250	2960*2870*2380
PFW1415III	Φ1400*1500	800*1530	350	280-350	200	3120*2650*2660

CS Symons Cone Crusher

Introduction

Spring cone crusher is the first cone crusher in the world, and it is the most widely used crusher in the current crushing area. CS Symons cone crusher is improved on the traditional spring cone crusher. It can crush materials like limestone, marble, granite, river stone, basalt, quartz, iron ore, copper ore, gold ore, etc.

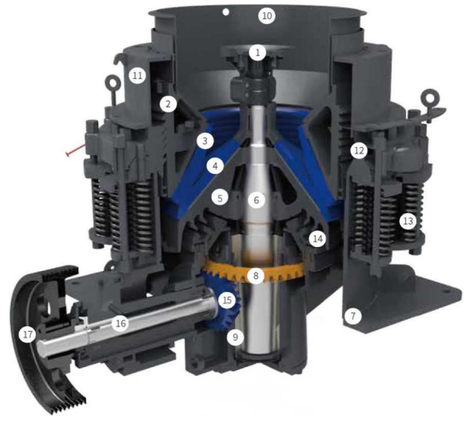
CS Symons cone crusher not only retains the reliable spring safety device of the traditional spring cone crusher, but also changes the discharge port adjustment device to a hydraulic type, which greatly increases the stability of the equipment and is more convenient to operate.

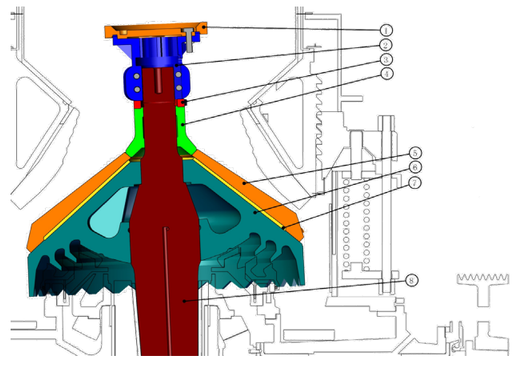
Main Features

- Optimized cavity type, better performance.
- Classic structure, more reliable operation.
- Hydraulic lubrication system, more simple operation.
- A variety of cavity types can adapt to a variety of operating conditions.

Main Structure

1. Dividing Plate	2. Adjustment Ring	3. Concave
4. Mantle	5. Movable Cone	6. Main Shaft
7. Frame	8. Big Gear	9. Eccentric Bush
10. Hopper	11. Adjustment Cap	12. Supporting Bush
13. Spring	14. Bowl Bearing Frame	15. Small Gear
16. Transmission Shaft	17. Pulley	





1. Distributing Plate	2. Main Shaft Nut	3. Cutting Ring	4. Bushing
5. Mantle	6. Main Body	7. Epoxy Grease Packing	8. Main Shaft

Technical Parameters

Model	Diameter of Moving Cone (mm)	Cavity	Feed Opening (mm)	
			Closed Side	Open Size
CS75B	900(3')	Fine	83	102
		Coarse	159	175
CS160B	1295(4 1/4')	Fine	109	137
		Medium	188	210
		Coarse	216	241
CS240B	1650(5 1/2')	Fine	188	209
		Medium	213	241
		Coarse	241	268
CS400B	2134(7')	Fine	253	278
		Medium	303	334
		Coarse	334	369

	Output Range (mm)	Capacity (t/h)	Power (kW)	Weight (t)
CS75B	9-22	45-91	75	15
	13-38	59-163		
CS160B	13-31	109-181	185	27
	16-31	132-253		
	19-51	172-349		
CS240B	16-38	181-327	240	55
	22-51	258-417		
	25-64	299-635		
CS400B	19-38	381-726	400	110
	25-51	608-998		
	31-64	789-1270		

Model	Diameter of Moving Cone (mm)	Cavity	Feeding Opening (mm)		Output Range (mm)	Capacity (t/h)	Power (kW)	Weight (t)
			Closed Side	Open Size				
CS75D	900(3')	Fine	13	41	3-13	27-90	75	15
		Medium	33	60	3-16	27-100		
		Coarse	51	76	6-19	65-140		
CS160D	1295(4 1/4')	Fine	29	64	3-16	36-163	160	27
		Medium	54	89	6-16	82-163		
		Coarse	70	105	10-25	109-227		
CS240D	1650(5 1/2')	Fine	35	70	5-13	90-209	240	55
		Medium	54	89	6-19	136-281		
		Coarse	98	133	10-25	190-336		
CS400D	2134 (7')	Fine	51	105	5-13	190-408	400	110
		Medium	95	133	6-19	354-508		
		Coarse	127	178	10-25	454-599		

HP Multi-Cylinder Hydraulic Cone Crusher

Introduction

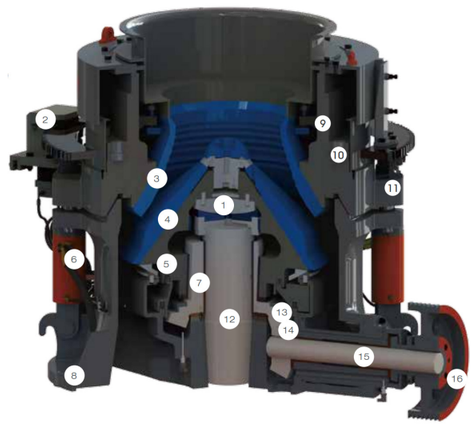
HP multi-cylinder hydraulic cone crusher is a typical crushing equipment used for medium crushing and fine crushing of hard materials. It is widely used in metallurgy, mining, chemical industry, cement, construction, refractory materials and ceramics and other industries.

Main Structure

1. Dividing Plate	2. Adjustment Ring	3. Concave
4. Mantle	5. Movable Cone	6. Main Shaft
7. Frame	8. Big Gear	9. Eccentric Bush
10. Hopper	11. Adjustment Cap	12. Supporting Bush
13. Spring	14. Bowl Bearing Frame	15. Small Gear
16. Transmission Shaft	17. Pulley	

Main Features

- HP multi-cylinder hydraulic cone crusher is equipped with hydraulic system, integrated lubrication system and automatic control system, which ensures stable, convenient and reliable operation and greatly reduces downtime. At the same time, labor costs are reduced.
- HP multi-cylinder hydraulic cone crusher adopts the principle of lamination crushing, and the crushed finished product can have a cube shape,which is more competitive than the laminated size stones and can be sold with a higher price.
- HP multi-cylinder hydraulic cone crusher has multiple cavities, which is more convenient to apply to the requirements of secondary and tertiary crushing.



Technical Parameters

Model	Cavity	Discharge Setting Min.(mm)	Feeding Opening (mm)	Capacity (t/h)	Power (kW)	Weight (t)
HP160	(F)Fine	13	95	120-200	160	13.4
	(M)Medium	16	120	140-220		
	(C)Coarse	19	190	160-250		
HP220	(F)Fine	13	105	150-210	220	18.1
	(M)Medium	16	150	170-250		
	(C)Coarse	19	210	185-300		
	(EC)Extra Coarse	25	230	220-400		
HP400	(F)Fine	16	135	260-400	400	37
	(M)Medium	22	210	330-450		
	(C)Coarse	30	290	400-500		
	(EC)Extra Coarse	38	330	440-550		

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HST Single Cylinder Hydraulic Cone Crusher

Introduction

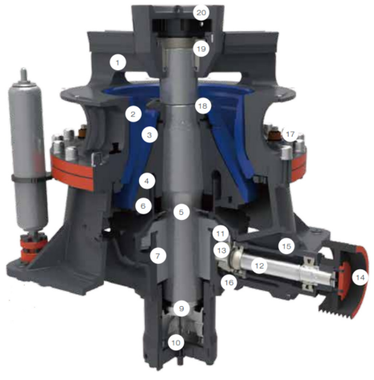
HST single cylinder hydraulic cone crusher adopts the latest technology. It is with new structure, optimized lamination cavity and intelligent automatic control system, which makes the crushing efficiency higher and the finished product shape better. It can crush materials like limestone, marble, granite, river stone, basalt, quartz, iron ore, copper ore, gold ore, etc.

Main Structure

1. Upper Frame	2. Concave	3. Mantle
4. Movable Cone	5. Main Shaft	6. Dustproof Sealing Ring
7. Eccentric Sleeve	8. Lower Frame	9. Thrust Bearing
10. Hydraulic Cylinder	11. Big Gear	12. Horizontal Countershaft
13. Small Gear	14. Pulley	15. Horizontal Countershaft Frame
16. Lubricating Oil Return	17. Concave Locknut	18. Mantle Locknut
19. Top Bearing	20. Top Bearing Cap	

Main Features

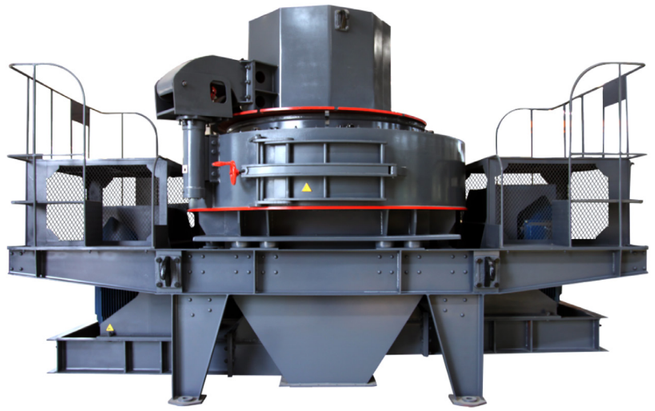
- Laminating crushing makes good cubical shape and ensures high performance of the crusher.
- High crushing ratio, high production capacity and high-efficiency.
- Full automatic control, lower operation cost & longer life cycle.
- Multiple cavities for various process requirements.



Technical Parameters

Model	Cavity	Feeding Opening (mm)	Minimum Discharging Size (mm)	Capacity (t/h)	Power (kW)	Overall Dimension (mm)
HST100	EC	240	22	85-170	90	1550*1575*2545
	MC	200	19	70-130		
	F	135	10	45-115		1550*1575*1965
	MF	65	8	35-80		
	EF	35	4	27-60		
HST160	EC	360	25	120-345	132 (Max 160)	1875*1920*3195
	MC	300	22	105-305		
	C	235	19	90-275		
	F	185	13	66-210		1875*1920*2400
	MF	90	10	65-165		
	EF	50	6	48-105		
HST250	EC	450	35	255-605	220 (Max 250)	2100*2320*4096
	MC	400	29	215-515		
	C	300	25	190-490		
	F	215	16	110-395		2100*2320*2780
	MF	110	13	115-340		
	EF	70	8	90-255		
HST315	EC	560	41	335-1050	315	2380*2735*4630
	MC	500	38	305-895		
	F	275	16	170-665		2380*2735*3265
	MF	135	16	190-505		
	EF	65	13	205-320		
HST500	EC	560	54	575-1505	500	2490*2909*4892
	MC	465	54	550-1435		
	F	315	16	290-900		
	MF	265	16	330-1015		2490*2909*4267
	EF	195	16	315-975		

VSI Vertical Shaft Impact Crusher



Introduction

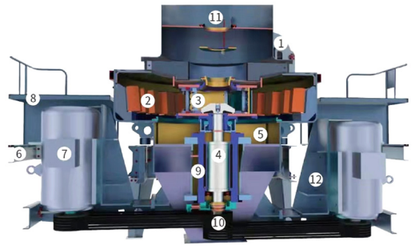
VSI vertical impact crusher is designed by introducing the German technology. It is mainly used for sand-making and shaping of the stone materials. It can make high quality sand for highway, high-speed railway, high-rise buildings, municipal engineering, hydropower dam construction and aggregate concrete mixing station. Its the best choice in the field of artificial sand and stone shaping equipment. The suitable materials like granite, basalt, limestone, calcite, etc.

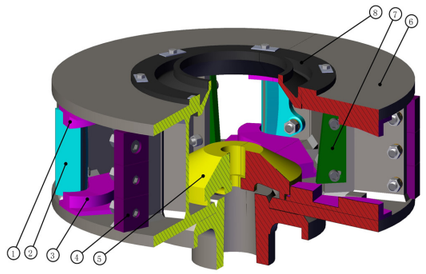
Main Features

- The crushing cavity internal items can be changed or repaired easily and fast, because of adopting hydraulic drive cover device.
- With the unique feeding crusher structure, it is convenient to realize the "stone crushing stone "and "stone crushing iron" and can crush and shape stones.
- High quality materials and advanced technology can improve the equipment quality and appearance and can ensure a low failure rate.

Main Structure

1. Hydraulic Jack Device	2. Impact Plate	3. Rotor	4. Transmission Shaft
5. Frame	6. Bracket	7. Motor	8. Pedal Frame
9. Bearing Cylinder	10. Pulley	11. Hopper	12. Motor Seat





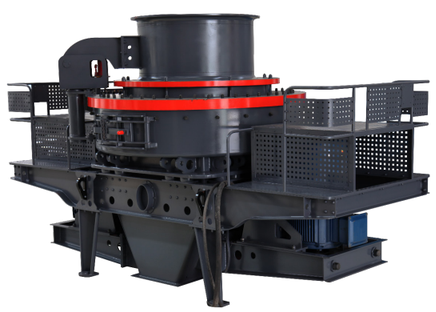
1. Upper Running Plate	2. Hammer	3. Lower Running Plate	4. Impact Block
5. Distributing Cone	6. Impeller Weldment	7. Wear Plate	8. Swing Wheel Mouth Guard

Technical Parameters

Model	Capacity (t/h)		Max. Feeding Size (mm)	
	Feed Both at Center and at Sides	Feed at Center	Soft Material	Hard Material
VSI7611	120-180	60-90	<35	<30
VSI 8518	200-260	100-130	<40	<35
VSI9526	300-380	150-190	<45	<40
VSI1140	450-520	225-260	<50	<45

Model	Rotation Speed (rpm)	Power(kW)	Overall Dimension (mm)
VSI7611	1700-1890	55*2	3700*2150*2100
VSI 8518	1520-1690	90*2	4140*2280*2425
VSI9526	1360-1510	132*2	4560*2447*2778
VSI1140	1180-1310	200*2	5000*2700*3300

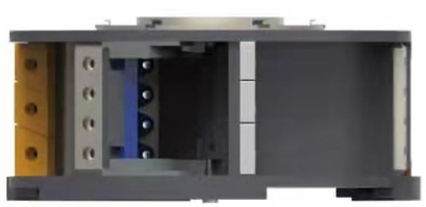
VSI5X Vertical Shaft Impact Crusher



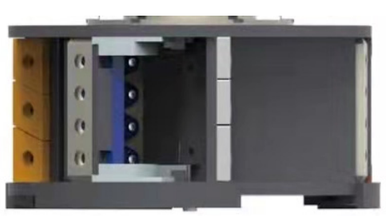
VSI5X vertical impact crusher is developed and designed on the basis of the previous generation of VSI vertical shaft impact crusher. It adopts high-speed closed impellers to speed up materials, with stone against iron or stone against stone , central feeding adjustment and waterfall feeding available to configure according to user's conditions to meet the different process requirements, such as material fine and super-fine crushing, machine-made sand processing and aggregate shaping.

Main Structure

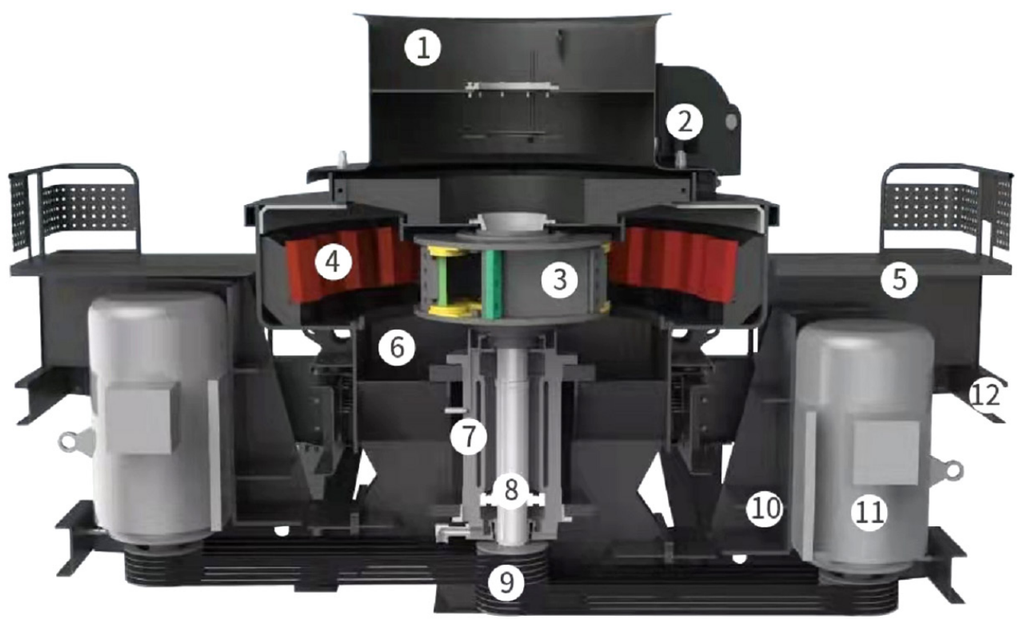
1. Hopper	2. Hydraulic Jack Device	3. Rotor	4. Guard Plate
5. Pedal Frame	6. Frame	7. Bearing Cylinder	8. Transmission Shaft
9. Pulley	10. Motor Seat	11. Motor	12. Bracket



Normal Rotor
VSI



Deep Cavity Rotor
VSI5X



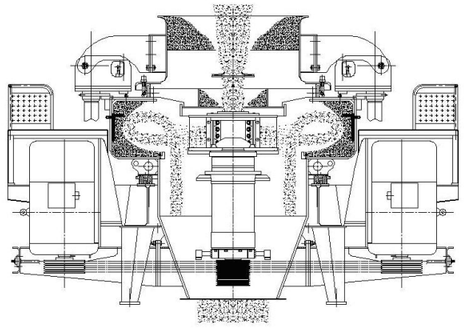
Main Features

- Hydraulic drive cover device makes the maintenance more convenient.
- With the unique feeding crusher structure, it is convenient to realize the "stone crushing stone" mode and "stone crushing iron" mode. It can produce sand and cubic shape aggregates.
- High quality materials and advanced technology can improve the equipment quality and appearance and ensure a low failure rate.
- VSI5X rotors adopt the design of a deep cavity, which can have more materials pass through to obtain higher capacity than ordinary rotors under the same specifications.
- The equipment is provided with a light oil lubrication device and an air cooling system, as well as a PLC intelligent system. So it is able to realize fully automatic control of the equipment lubrication and reliably guarantee the equipment operation.

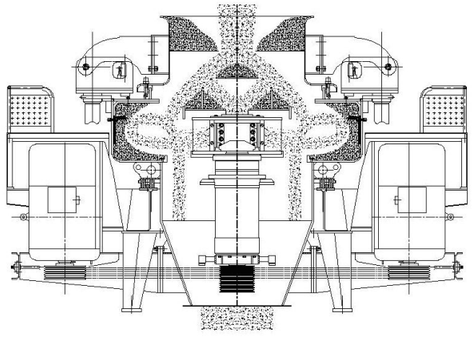
Technical Parameters

Model	Capacity (t/h)		Max. Feeding Size (mm)	
	Feed both at Center and at Sides	Feed at Center	Soft Material	Hard Material
VSI5X7615	150-280	70-140	<35	<30
VSI5X8522	240-380	120-200	<40	<35
VSI5X9532	350-540	180-280	<45	<40
VSI5X1145	500-640	250-360	<50	<45

	Rotation Speed (rpm)	Power (kW)	Overall Dimension (mm)
VSI5X7615	1700-1900	75*2	4100*2330*2300
VSI5X8522	1500-1700	110*2	4140*2500*2700
VSI5X9532	1300-1510	160*2	4560*2600*2900
VSI5X1145	1100-1310	220*2	5100*2790*3320



Feeding at Center

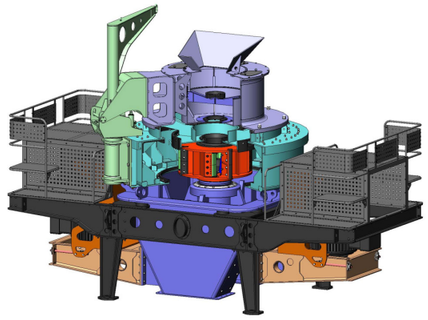


Feeding both at Center and at Sides

VSI6X Vertical Shaft Impact Crusher

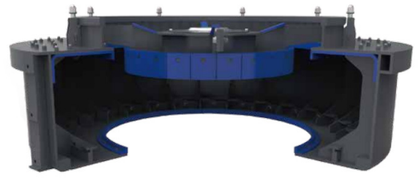
Introduction

VSI6X vertical shaft impact crusher is a high-efficiency sand-making crushing equipment with independent core intellectual property rights developed by our company based on years of practical experience. This equipment can be widely used in metal and non-metal ores, building materials, artificial sand and various metallurgical slags crushing and shaping.



Main Features

Rock on rock crushing mode, high-quality of products



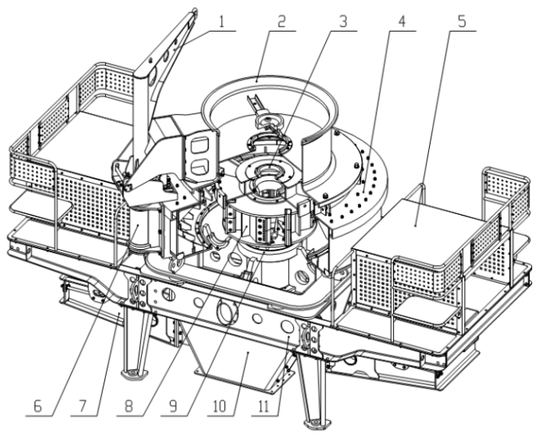
The optimization of "rock on rock" crushing cavity structure and the application of material clapboard form a stable material pad can improve the crushing efficiency, coordinate with the regulating ring of the feed stock and adjust the flow ratio between the central feeding and the surround feeding. The adoption of "rock on rock" crushing cavity can help to get higher quality finished products, better material grading and better cubic particles.

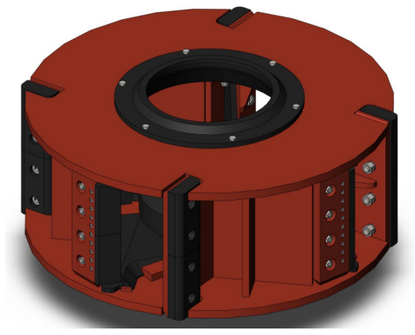
Main Features

Rock on iron crushing mode, high efficiency in crushing

When the "rock on iron" crushing cavity is adopted, the crushing ratio is more larger and more finished products can be obtained. This crushing cavity mode adopts new structure and optimizes the installation angle of the surround liners, which has low energy loss when the high-speed materials thrown by the rotor impact the crushing cavity. It has higher crushing efficiency and it can help to get more finished materials. The efficiency of making sand is very high.

Main Structure





1. Lifting Hand
2. Feeding Hopper
3. Adjustment Ring
4. Crushing Cavity
5. Pedal Rack
6. Lifting and Turning Device
7. Motor Drive
8. Impeller
9. Bearing Cartridge
10. Lower Frame
11. Bracket

Technical Parameters

Model	VSI6X8018	VSI6X9026	VSI6X1040	VSI6X1150	VSI6X1263
Maximum Feeding Size (mm)					
Central Feeding	30	35	40	45	50
Central&Surrounded Feeding	40	45	50	55	60
Throughput Capacity (t/h)					
Central Feeding	109-117	167-179	264-283	344-368	454-486
Central&Surrounded Feeding	131-140	200-215	317-342	413-442	545-583
Speed of Shaft (rpm)	1300-1700	1200-1500	1100-1400	1000-1300	900-1200
Power (kW)	90*2	132*2	200*2	250*2	315*2
Dimension (mm)	4100*2300 *2750	4200*2500 *3150	5000*2600 *3550	5500*2750 *3950	5700*2980 *4190

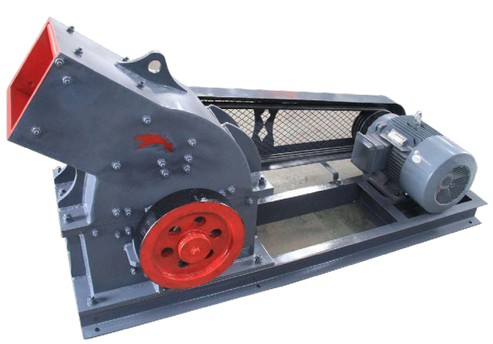


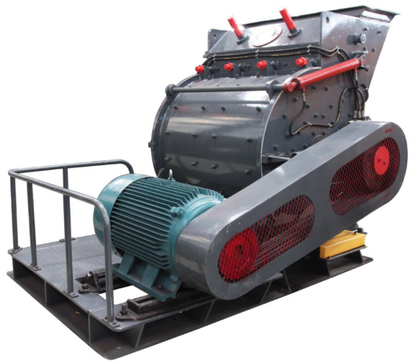



Hammer Crusher

Introduction

Hammer crusher is widely used in metallurgy, mine, chemical, cement, coal, construction, sand making, refractory materials and ceramic industry. It is used in secondary or tertiary crushing, it is mainly suitable for crushing ores with compressive strength not exceeding 320 MPa.





Technical Parameters

Model	Input Size (mm)	Output Size (mm)	Capacity (t/h)	Power (kW)
PC400*300	100	＜15	3-10	11
PC600*400	120	＜15	8-15	22
PC800*600	150	＜20	10-40	55
PC1000*800	200	＜30	16-65	110
PC1300*1200	280	＜40	50-200	240
PC1600*1600	350	＜50	100-350	480
PC4008-75	30	＜3	8-15	75
PC4012-90	40	＜3	15-35	90
PC4015-132	50	＜8	40-70	132

Mobile Crusher With Wheels

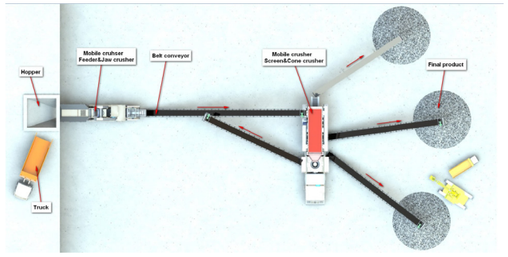
Introduction

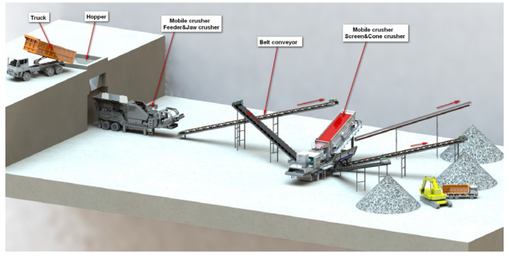
Mobile crusher with wheels is widely used in mines, coal mines, and construction waste recycling, earthwork, urban infrastructure, roads or construction sites and other site operations. It adopts the integrated design concept, which reduces the installation work and time on customer's site. The unit design is reasonable and compact. The footprint of the traditional stone line yard is reduced, and the transition and use are very convenient. It can reduce the secondary basic investment for customers to change the workplace.

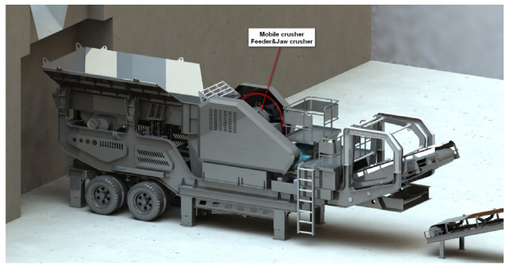
Main Features

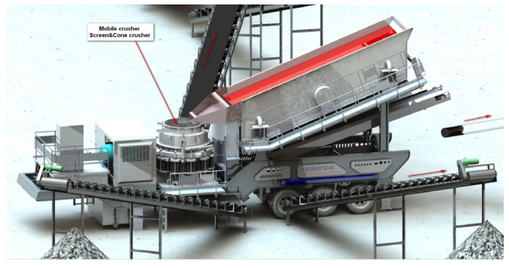
- The configuration is flexible, so it can be operated by single machine or multi-equipment.
- Ehiclemounted motor and control box are integrated.
- Integrated vehicle installation and compact structure make the use much easier.
- Vehicle mounted support makes the quipment installation fast and convenient.
- High flexibility. It is convenient for road transportation and site operations.
- It has stable performance and lower cost, and it is easy to repair.

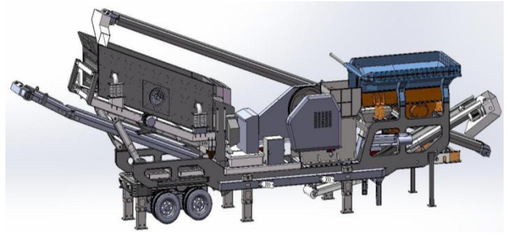
Design of Mobile Crushing Plant

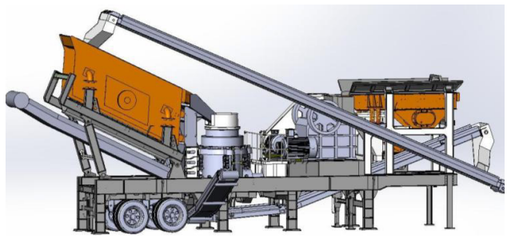


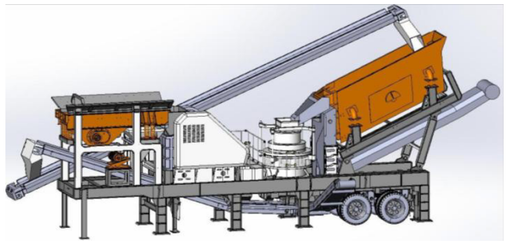












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Crawler Mobile Crusher

Introduction

A crawler mobile crusher is a high-performance mobile crusher mounted on a robust tracked chassis, integrating feeding, crushing, screening, and conveying systems. It represents the technological culmination of modern mineral crushing and various types of engineered crushing. Its main advantage lies in its ability to make production lines mobile and intensive, completely eliminating site dependence and the complex infrastructure requirements of fixed production lines, and offering customers a highly flexible, ready-to-use crushing solution.

Main Features

- High Yield, Excellent Particle Size
- Low Energy Consumption, Minimal Wear
- High Stability, Enhanced Durability
- User-Friendly Operation, Improved Safety
- 5G Technology, Advanced Intelligence

Design of a Crawler Mobile Crusher

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Vibrating Feeder

Introduction

The ZSW/GZD/SP vibrating feeders are a linear feeding equipment widely used in mining, building materials, chemical and silicate industry in crushing and screening plants. It features reliable, low-vibration operation and a long service life.

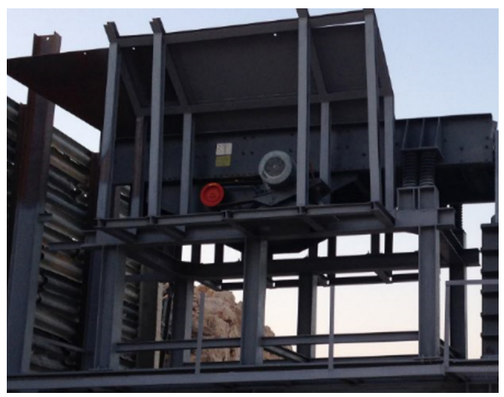
Main Features

- Strong feeding capacity. It adopts a vibration exciter with double eccentric shafts, boasting strong vibration force, stable amplitude, uniform and continuous feeding.
- Stable performance. The equipment has achieved a more reasonable overall structure and a more stable operation performance, and it is able to adopt to long-term continuous work.
- Low production cost. The equipment features a simple structure, convenient operation and maintenance, smaller feeding chute wear during feeding, lower steel consumption in production, as well as lower maintenance and use cost.

Technical Parameters

Model	Max. Feeding Size (mm)	Capacity (t/h)	Eccentric Shaft Speed (rpm)	Power (kW)	Overall Dimension (mm)
GZD180*80	300	30-50	970	1.5*2	2200*1100*800
GZD200*120	300	40-70	970	2.2*2	2000*1200*855
ZSW380*96	500	80-100	800	11	3970*2259*1880
ZSW420*110	580	120-240	800	15	4392*2519*2003
ZSW490*110	580	120-240	800	18.5	5093*2545*2014
ZSW590*110	580	120-240	800	22	6092*2610*2415
ZSW500*130	750	140-550	800	30	5206*2842*2467
ZSW560*130	750	140-550	800	30	5806*2842*2467
ZSW600*130	750	140-550	800	30	6124*2863*2051
ZSW500*160	900	250-1000	900	37	5206*3298*2544
ZSW560*160	900	250-1000	900	37	5806*3298*2544

Model	Max. Feeding Size (mm)	Tank Size (mm)	Capacity (t/h)	Double Amplitude (mm)	Power (kW)	Vibration Frequency (rpm)
SP0816	265	800*1600*250	180-220	3-4	1.1*2	1470
SP0816Z	265	800*1600*250	180-220	3-4	1.1*2	
SP1220	400	1200*2000*300	400-500	3-4	1.5*2	
SP1220Z	400	1200*2000*300	400-500	3-4	1.5*2	
SP1623Z	500	1600*2250*300	700-850	3-5	2.5*2	970



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YA Vibrating Screen

Introduction

YA vibrating screen adopts a high-speed eccentric wheel to drive the whole eccentric shaft as the source of the vibration exciter. It is used for classification of various stone materials, thus to effectively improve the production efficiency of the production line.

Main Features

- High screening efficiency. It adopts a high-speed eccentric wheel to drive the whole eccentric shaft as the source of the vibration exciter to achieve a stable vibration source and a strong vibration force.
- Stable work. The equipment features smooth vibration and low noise by virtue of its structure design optimization, the high-speed bearings of an international well-known brand are configured, so that the equipment stability can be further improved.
- Simple structure and convenient maintenance.

Technical Parameters

Model	Layers	Spec. of Screen (mm)	Max. Feed Size (mm)	Capacity (t/h)	Vibrating Frequency (Hz)	Power (kW)	Overall Dimension (mm)
2YA1237	2	1200*3700	200	7.5-80	800-970	15	4642*2250*2659
3YA1237	3	1200*3700	200	7.5-80	800-970	15	4898*2250*3133
2YA1548	2	1500*4800	400	50-208	970	15	5802*2585*3053
3YA1548	3	1500*4800	400	50-250	970	15	6046*2585*3537
2YA1848	2	1800*4800	400	50-260	970	18.5	5802*2947*3053
3YA1848	3	1800*4800	400	50-300	970	18.5	6046*2947*3538
2YA1860	2	1800*6000	400	50-300	970	18.5	7011*2947*3471
3YA1860	3	1800*6000	400	50-350	970	22	7243*2987*3955
4YA1860	4	1800*6000	400	50-350	970	22	7498*2987*4439
2YA2160	2	2100*6000	400	100-500	730	22	7076*3402*3666
3YA2160	3	2100*6000	400	100-500	730	30	7284*3467*4092
4YA2160	4	2100*6000	400	100-500	730	30	7551*3467*4582
2YA2460	2	2400*6000	400	150-700	730	37	7046*3770*3603
3YA2460	3	2400*6000	400	150-700	730	37	7289*3782*4092

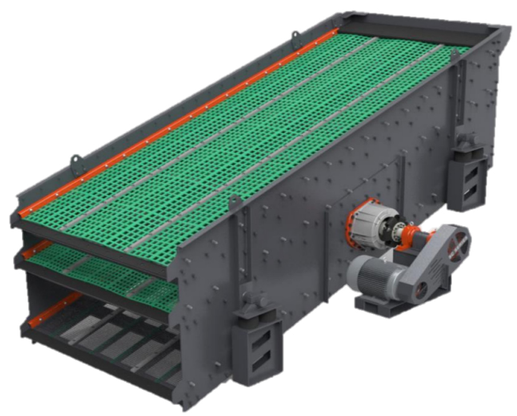
S5X Vibrating Screen

Introduction

S5X vibrating screen is a kind of incline circular screen which adopts the most advanced designing theory in the world. It is applicable for heavy duty, medium duty, and fine screening process. It is suitable for screening the material from primary crushing and secondary crushing, and final product. S5X vibrating screen is widely used in aggregates production, metallurgy mining, coal, chemical, recycling industries.

Main Features

- The high G-Force is 3.2-4.2g. The speed is 800~900 rpm and the amplitude 7~12 mm. The material on the screen deck can be activated, moving and rolling faster, to increase the capacity and separation efficiency.
- SV super vibrator is efficient, reliable and convenient.
- Not easy to crack, no welding point.
- The supporting device of screen uses a more expensive rubber spring, which has the advantages of longer service life, corrosion resistance, smooth operation, low noise, and less impact on the foundation than the metal spring.



Technical Parameters

Model	Size W*L (mm)	Decks	Slope°	Speed (rpm)	Power (kW)	Capacity (t/h)	Mesh Size (mm)
S5X1845-2	1800*4500	2	18(18-25)	800~900	15	60-450	2-70
S5X1845-3		3	18(18-25)	800~900	22	60-450	2-70
S5X1860-2	1800*6000	2	18(18-25)	800~900	15	75-600	2-70
S5X1860-3		3	18(18-25)	800~900	30	75-600	2-70
S5X1860-4		4	18(18-25)	800~900	37	75-600	2-70
S5X2160-2	2100*6000	2	18(18-25)	800~900	22	85-700	2-70
S5X2160-3		3	18(18-25)	800~900	30	85-700	2-70
S5X2160-4		4	18(18-25)	800~900	37	85-700	2-70
S5X2460-2	2400*6000	2	18(18-25)	800~900	22	100-800	2-70
S5X2460-3		3	18(18-25)	800~900	30	100-800	2-70
S5X2460-4		4	18(18-25)	800~900	37	100-800	2-70
S5X2760-2	2700*6000	2	18(18-25)	800~900	30	120-900	2-70
S5X2760-3		3	18(18-25)	800~900	37	120-900	2-70
S5X3072-2	3000*7200	2	20(20-25)	800~900	37	150-1200	2-70

XSD/LSX Sand Washer

Introduction

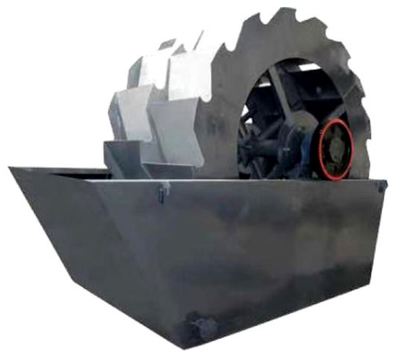
The sand washer is commonly usted in aggregate industry to select sand like 0-5mm. There are 2 kinds of sand washer. XSD wheeled type sand washer and LSX spiral sand washer.

Main Features

- The bucket wheel structure achieves simple and efficient work.
- The motor reducer drive offers stable and reliable transmission.
- Efficient sand washing with large through output and low power consumption.

Main Features

- Long spiral classification washing makes better sand washing effect.
- The overall structure is simple and the equipment can work stably.
- Wear-resisting materials are used, so the service life is longer.



Technical Parameters

XSD Wheeled Type Sand Washer					
Model	XSD2610	XSD2816	XSD3016	XSD3220	XSD3620
Diameter of Impeller(mm)	Φ2600*1000	Φ2800*1600	Φ3000*1600	Φ3200*2000	Φ3600*2000
Max. Feeding Size(mm)	10	10	10	10	10
Capacity(t/h)	20-50	30-60	50-120	70-150	120-180
Power(kW)	7.5	7.5-11	15	15	18.5
Overall Dimension(mm)	3320*2125 *2670	3540*3000 *2880	3810*2686 *3085	4100*3560 *3300	4500*3206 *3480

LSX Spiral Sand Washer				
Model	LSX920	2LSX920	LSX1120	2LSX1120
Number of Spiral	1	2	1	2
Diameter of Spiral (mm)	920	920	1120	1120
Length of the Tank (mm)	7585	7585	9750	9750
Power (kW)	11	11*2	18.5	18.5*2
Rotate Speed of Spiral (rpm)	21	21	17	17
Capacity(t/h)	10-80	20-160	20-150	40-300
Dimension(mm)	8420*2180 *3960	8420*3970 *3960	10770*3950 *4860	10770*5260 *4860

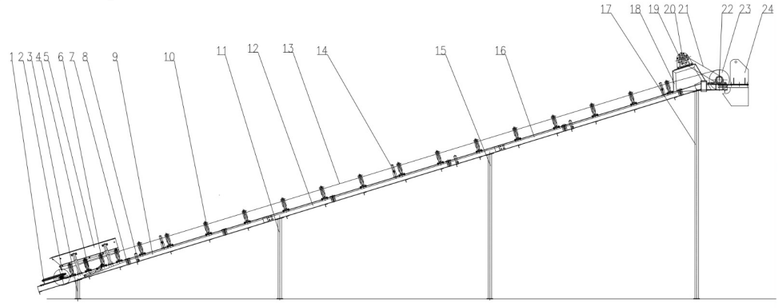
Belt Conveyor

Introduction

Belt conveyor is mainly to transport materials from one place to another. It is the most commonly used material conveying equipment on the sand and gravel production line. It has many advantages such as convenient transmission, uniform material support, small size, convenient maintenance and long service life.

Main Features

- The main beam and outriggers all adopt a modular design, which can simplify the production process and shorten the stock cycle.
- Optimized structure, strong and practical.
- Optimized transmission, efficient and convenient.
- A variety of configurations, rich in functions.



1. Screw Take-Up Assembly
2. Bend Pulley
3. Support Leg
4. Return Side Belt Cleaner
5. Skirtboard / Loading Chute
6. Impact Idler
7. Flat Return Idler
8. Bottom Training Idler
9. Standard Stringer
10. Troughing Idler
11. Support Leg
12. Standard Stringer
13. Conveyor Belt
14. Top Training Idler
15. Support Leg
16. Head Frame
17. Support Leg
18. Reducer Support Base
19. Geared Motor
20. Sprocket
21. Chain
22. Sprocket
23. Drive Pulley
24. Head Chute

Technical Parameters

Belt Conveyor					
Belt Width(mm)	Belt Length (m) / Power (kW)			Belt Speed(m/s)	Capacity (t/h)
400	<12/1.5	12-20/2.2	20-25/3	0.8-2.0	40-80
500	<12/3	12-30/4	20-30/5.5	0.8-2.0	78-191
650	<12/4	12-20/5.5	20-30/7.5	0.8-2.0	131-323
800	<10/4	10-15/5.5	15-25/7.5	1.0-2.0	278-546
1000	<10/5.5	10-20/7.5	20-25/11	1.0-2.0	435-853
1200	<10/7.5	10-20/11	20-25/15	1.0-2.0	655-1284