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**PROFESIONAL MINING&CONSTRUCTION
MACHINERY SUPPLIER**



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About Us

Shanghai Oriental Heavy Industry Machinery Co., Ltd. is a high-tech enterprise specialized in researching, fabrication and marketing of large or medium sized crushing and grinding equipments. It is also a leading domestic manufacturer and exporter of sand and grinding machines.

Shanghai Oriental is a company whose products are all certified with ISO and CE international institutions on the strength of its domestically-leading and fully-equipped production base with advanced inspecting and processing equipments. Shanghai Oriental keeps the introduction of advanced technological know-how and experience from the USA, Germany, Japan, etc. aiming to the research and development of new products and technology. Shanghai Oriental also succeeds in establishing a far-reaching sales network all over the world, including East Europe, Middle East, Africa, South Asia, Southeast Asia, West Asia, Australia, South and North America, etc.

Among its main equipments such as crushers, grinders, sand making machines, mobile crushing plant and screening machines, over thirty models are hot-sales. They are all widely-used in the industries like mining, building materials, road, bridge, tunnel, metallurgy, chemical industry, refractory materials, ceramics, coal, etc.

With the view of forging a high-quality team with young blood and a high sense of service, and in the motto of "Customer first, Credit foremost", Shanghai Oriental never stops introducing industry elites in administration, researching and development, etc., and she never stops in the pursuit of quality excellence.





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Hydraulic-driven track mobile plant

Hydraulic-driven track mobile plant is Oriental's newest mobile crushing and screening plant, which is fully driven by hydraulic force and moves by chassis track. It's designed by our company's excellent engineers to meet growing market demand. It features high performance, high reliability, elegant design and top international techniques. This type of mobile plant can be widely used for crushing and screening in many areas such as road construction, building, metallurgical and energy industries, etc.

TECHNOLOGICAL PARAMETERS

Model	YG935E69L	YG1138E71L	YG1138FW1315IIL	YG1138EW86L
Feeder	GZD960×3500	GZD1100×3800	GZD1100×3800	GZD1100×3800
Crusher	PE600×900	PE750×1060	PFW-1315II	PEW860
Front Belt	B800×8.5m	B1000×9m	B1000×9m	B1000×9m
Front Belt Discharge Height (mm)	3200	3500	3500	3700
Side belt	B450×3m	B500×3.5m	B500×3.5m	B500×3.5m
Side belt Discharge Height (mm)	2800	3100	3000	3100
Power (KW)	180KW	220KW	280KW	250KW
Transportation Length (mm)	11900	13300	13300	15100
Transportation Width (mm)	3100	3100	3100	3300
Transportation Height (mm)	3650	4500	4500	5000
Transportation Weight (T)	43.5	59	59	67
Operating Length(mm)	12100	13500	13500	15200
Operating Width(mm)	3100	3100	3100	3300
Operating Height(mm)	4100	5100	4800	5500

CHARACTERISTICS

1. Beautifully shaped, with better capacity and less space.
2. Cummins Diesel Engine saves energy, makes less noise and features reliable performance. The engine can be additionally equipped with low temperature preheating start-up device to ensure the machine easy to start under the condition of minus 25°C.
3. Employing fully rigid boat structure, the chassis features high strength, low contact pressure, good passing ability (easy transportation) and good adaptability to hilly and marsh areas.
4. High pulling torque travel motor with mature techniques offers strong driving force and high reliability. The use of all-wait variable hydraulic technique in the travel system ensures high performance, reliability and utilization of the motor. The main hydraulic devices like pump, valves are imported from Japan.
5. Operating system with imported direct servo technique can be easily and precisely controlled and travel in an infinite variable speed.
6. Crushing and screening equipments are of our company's advanced products, which have compact conformation and stable performance. The screen equipment set by 20 degree obliquity improves the screening ability.

Portable Crushing Plant

Portable Crushing Plant is not limited to the location of crushing operation, and it reduces the cost of material transportation, providing our customers with simple, efficient and economical solutions. The Portable Crushing Plant can crush materials on site or somewhere near the work site.

Feeder and Jaw crusher

Model	Vibrating Feeder	Jaw Crusher	Belt Conveyor	Configuration of Wheels	Extended Belt Conveyor	Generator	Capacity (t/h)	Power (kw)	Overall Dimension (L×W×H) (mm)	Weight (t)
YG938E69	GZD960×3800	PE600×900	B650×7M	Double-axle	Optional	Optional	70-150	91.5	13200×2900×4700	42
YG1142E710	GZD1100×4200	PE750×1060	B800×9M	Three-axle	Optional	Optional	90-200	134	15000×3100×5100	55
YG1349E912	GZD1300×4900	PE900×1200	B1000×11M	Four-axle	Optional	Optional	150-300	146	17000×3300×5600	72

Impact crusher and screen

Model	Vibrating screen	Impact Crusher	Belt Conveyor	Configuration of Wheels	Generator	Capacity (t/h)	Power (kw)	Overall Dimension (L×W×H) (mm)	Weight (t)
Y3S1548F1010	3YZS1548	PF1010	B500×7M	Double-axle	Optional	50-250	70-90	12500×2800×6000	42
Y3S1848F1210	3YZS1848	PF1210	B650×7M	Double-axle	Optional	70-300	128.5-150.5	12500×3000×6500	46
Y3S1860F1214	3YZS1860	PF1214	B650×8M	Three-axle	Optional	90-400	154-190	13500×3000×6500	51
Y3S2160F1315	3YZS2160	PF1315	B800×8M	Three-axle	Optional	120-450	210-297	14000×3200×6800	57

Cone crusher and screen

Model	Vibrating screen	Cone Crusher	Belt Conveyor	Configuration of Wheels	Generator	Capacity (t/h)	Power (kw)	Overall Dimension (L×W×H) (mm)	Weight (t)
Y3S1548Y900	3YZS1548	PYB900	B500×7M	Double-axle	Optional	50-200	75	13000×2800×6400	43
Y3S1848S36	3YZS1848	ZYS36	B650×7M	Double-axle	Optional	70-300	99-134	13000×3000×6700	47
Y3S1860S51	3YZS1860	ZYS51	B650×8M	Three-axle	Optional	120-400	212.5-220.5	14000×3000×6700	53
Y3S2160H220	3YZS2160	HP220	B800×8M	Three-axle	Optional	140-450	257.5-264.5	14000×3200×6700	58

CHARACTERISTICS

1. Moving easily. It can go to the crushing place where it is difficult to go. It can move not only on the smooth road, but also on the bumpy road.
2. Compact structure and simple operation. Integrative equipment group with trail saves the working area. With generator, motor and control box, it can work even in the place where there is no electricity. Equipped with supporting facilities, it can be installed quickly and conveniently.
3. Saving the cost. By crushing the materials on site, the transportation cost is reduced.
4. Wide applicability. The crushing plant can work as an independent unit or work with other units to form a primary-secondary crushing system or primary-secondary-fine crushing system. It can also work as a production line with the screening equipment according to the requirement of customers (firstly screening then crushing, or firstly crushing then screening)
5. Stable performance and convenient maintenance. Equipped with crushers, vibrating feeders and vibrating screens designed by Shanghai Oriental Mining Machinery, the machine shows high quality and reliable performance. Materials are delivered by belt conveyors, which are simple to operate and easy to maintain. The machine is featured by low investment and high production efficiency.
6. Flexible configuration. It can be customized according to customers' requirement on working site, material and particle shape. Examples of customized machines include single units, combined units and so on.



Jaw Crusher

The Oriental Jaw Crusher is widely used in many industries like mining, building materials, chemical industry, metallurgy, etc. The Jaw Crusher is suitable for primary and secondary crushing in almost all kinds of minerals and rocks with compressive strength that less than 320 MPa



FEATURES

1. Simple structured, easy maintenance;
2. High crushing ratio, even output granularity;
3. High reliability, low investment;
4. Low noise, little dust.

TECHNOLOGICAL PARAMETERS

Model	Feed Opening Size (mm)	Max. Feeding Size (mm)	Adjustable Range of Output Size (mm)	Capacity (t/h)	Motor Power (KW)	Weight (t)	Overall Dimension (mm)
PE250×400	250×400	200	20-50	5-20	15	2.9	1430×1310×1340
PE400×600	400×600	350	40-100	15-60	30-37	6.8	1700×1732×1653
PE500×750	500×750	425	50-100	40-100	45-55	11.2	2035×1921×2000
PE600×900	600×900	480	65-160	60-140	55-75	16.5	2290×2206×2370
PE750×1060	750×1060	630	80-150	80-230	90-110	29	2655×2302×3110
PE900×1200	900×1200	750	95-165	140-320	110-132	54.5	3789×3050×3025
PE1000×1200	1000×1200	850	105-185	180-400	160-200	56.5	3900×3320×3280
PE1200×1500	1200×1500	1020	150-300	250-800	220-250	99.6	4300×3540×4043
PEX150×250	150×250	125	10-40	1-3	5.5	0.85	896×745×935
PEX150×750	150×750	125	12-45	5-16	15	3.8	1205×1495×1203
PEX250×750	250×750	210	25-60	10-40	22-30	5	1667×1545×1020
PEX250×1000	250×1000	210	25-60	15-50	30-37	6.8	1964×1550×1380
PEX250×1200	250×1200	210	25-60	20-60	37-45	8.5	2192×1605×1415

WORKING PRINCIPLE

The strip and strip pulley are driven by the motor to make the movable jaw move upwards and downwards via eccentric shaft. The angle between the fixed jaw and movable jaw becomes smaller when the movable jaw runs downwards, thus the materials being crushed; the angle becomes bigger when the movable jaw runs upwards. The movable jaw board leaves the fixed jaw board under the action of the pole and spring, thus the end products coming out of the crushing cavity.

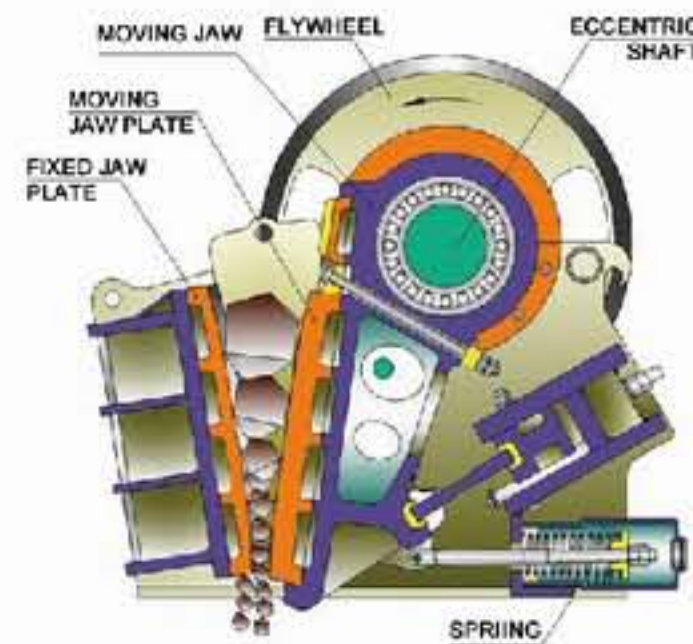


V-series Jaw Crusher

The Oriental Jaw Crusher is widely used in many industries like mining, building materials, chemical industry, metallurgy, etc. The Jaw Crusher is suitable for primary and secondary crushing of almost all kinds of minerals and rocks with compressive strength that less than 320 MPa.

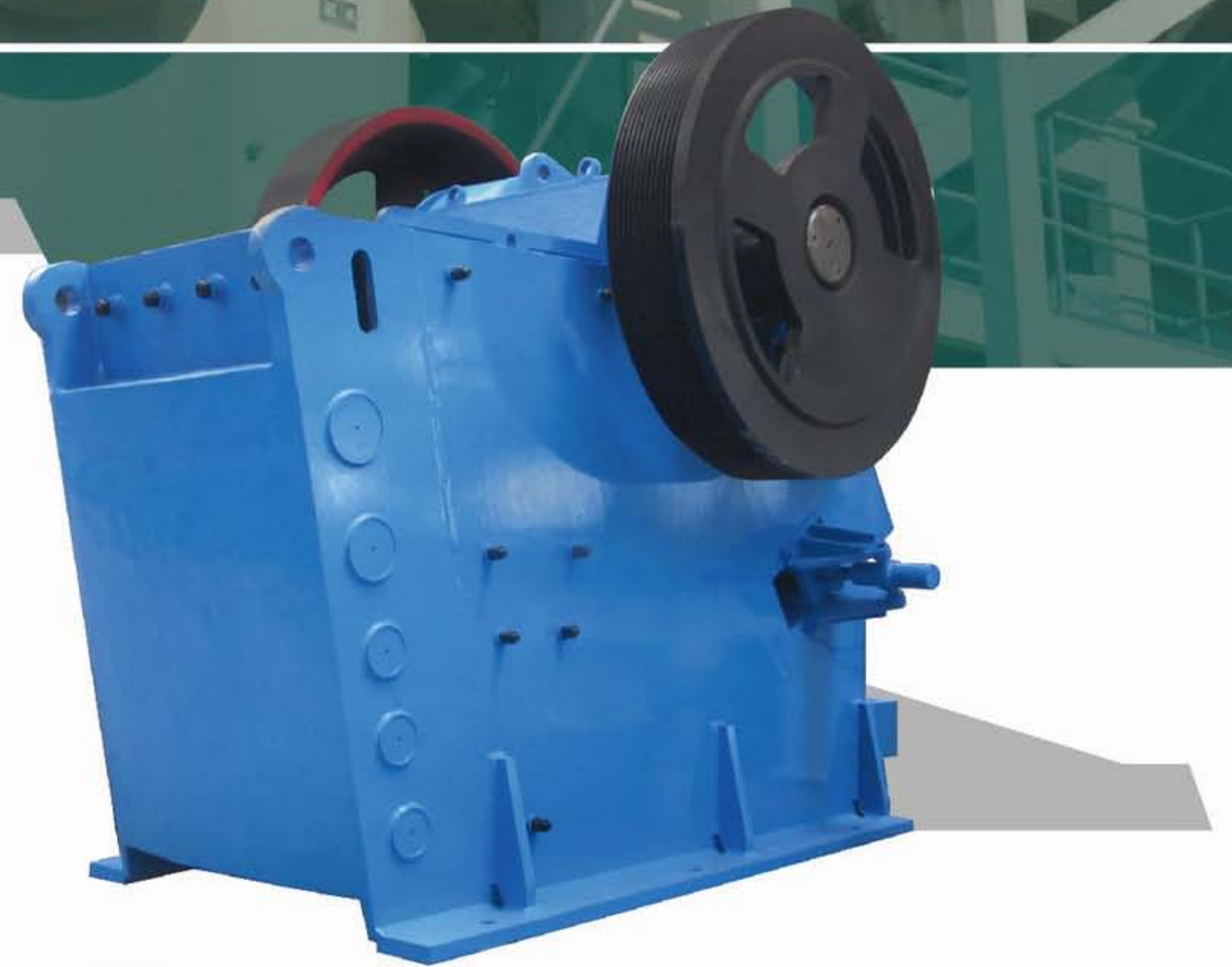
WORKING PRINCIPLE

The strip and strip pulley are driven by the motor to make the movable jaw move upwards and downwards via eccentric shaft. The angle between the fixed jaw and movable jaw becomes smaller when the movable jaw runs downwards, thus the materials being crushed; the angle becomes bigger when the movable jaw runs upwards. The movable jaw board leaves the fixed jaw board under the action of the pole and spring, thus the end products coming out of the crushing cavity.



FEATURES

1. The application of world-class manufacturing processes and high-tech materials.
2. Integrated steel structures are used for the base of bearing;
3. The broken cavity using "V"-shaped structure, so that the actual width of feed is same as nominal width;
4. The broken cavity is deep and without dead zone, increased capacity and output feed;
5. Lubrication system is safe and reliable, convenient of replace parts, easy to maintenance;
6. Low noise, less dust.

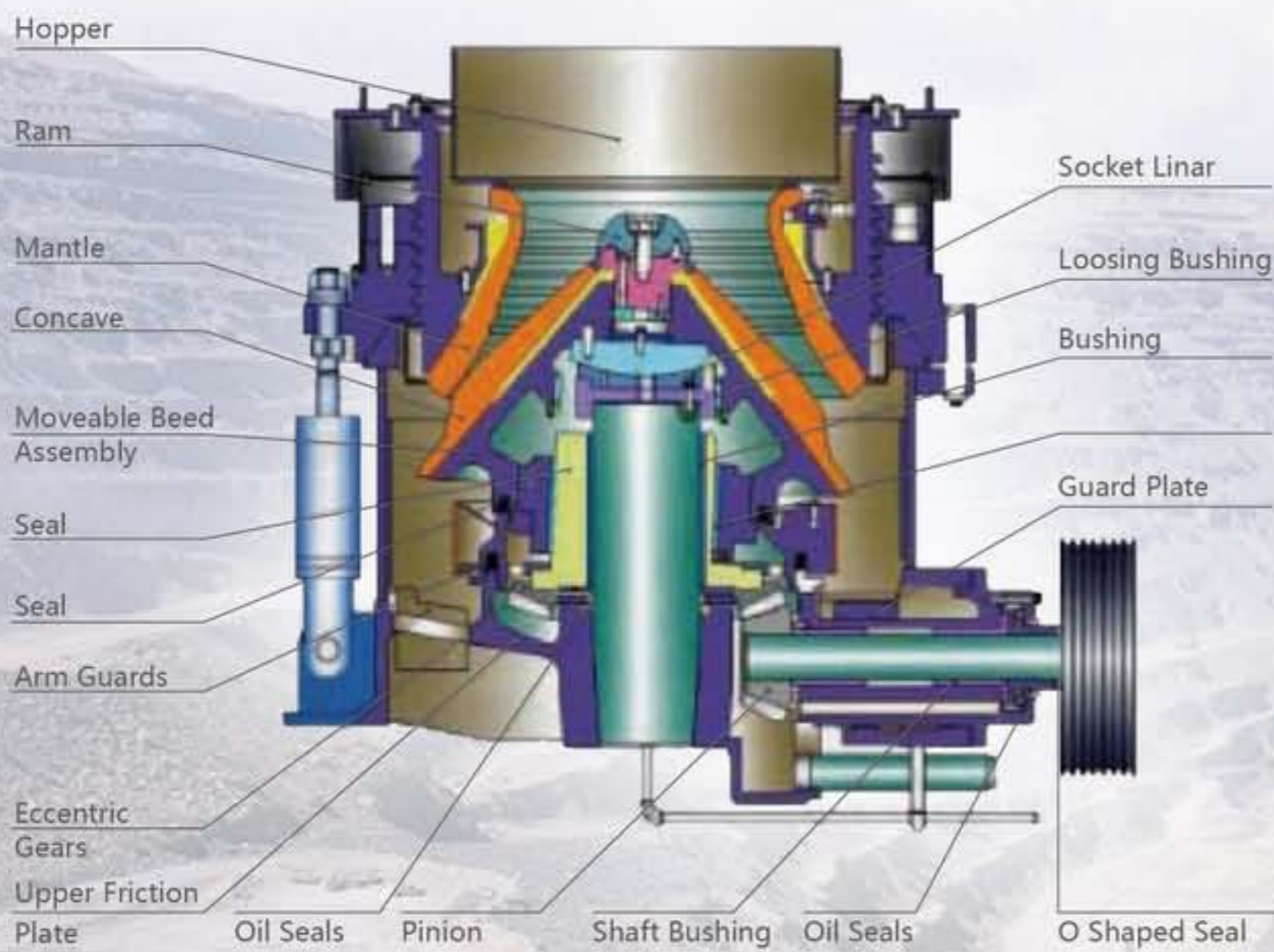


TECHNOLOGICAL PARAMETERS

Model	Max.Feeding Size(mm)	Power(kw)	Capacity(t/h)										Weight(t)
			Close Discharge Size(mm)										
			50	70	80	100	125	150	200	225	250	300	
VPE400×600	600×400	30-40	26	38	45	60	75						6.32
VPE500×750	750×500	45-60	40	60	70	90	112	130					8.75
VPE600×900	900×600	60-75			105	130	160	182					14
VPE750×1050	1050×750	90-115				180	210	237	394				22.5
VPE800×1200	800×1200	115-150				210	250	280	320	350			26.65
VPE1000×1200	1200×1000	130-150					265	302	370	402			44.5
VPE800×1350	800×1350	135-150				250	300	340	420	450			27.77
VPE1000×1500	1500×1000	185-225					310	350	440	480	510		50.38
VPE1200×1500	1500×1200	185-165						415	500	540	580	630	78

Hydraulic Cone Crusher

Hydraulic Cone Crusher is widely used for secondary and fine crushing in the fields of mining, building materials, metallurgies and so on. The Hydraulic Cone Crusher can crush materials with middle and high hardness such as ironstone, copper ore, granite, basalt, cobblestone, marble, limestone and so on. The Hydraulic Cone Crusher is widely used in highly automatic crushing line which has strict requirements for the fineness of the end products and crushing ratio.



TECHNOLOGICAL PARAMETERS

Model	Cavity Size	Minimum Discharging Size (mm)	Max. Feeding Size (mm)	Capacity (t/h)	Weight (t)	Power (KW)
HP-160	C	13	150	120-240	13	160
	F	6	76	55-180		
HP-220	C	13	225	150-430	18	220
	F	6	86	90-260		
HP-315	C	13	290	190-610	26	315
	F	6	100	108-320		
HP-400	C	16	320	230-700	33	400



ZTC Cone Crusher

ZTC Cone Crusher is widely used in metal and non-metallic mines, cement, construction, sand and metallurgical industries. It is applicable to materials like iron ore, nonferrous metal ores, granite, limestone, quartzite, sandstone, pebbles and so on. It can be divided into four models according to the size of cavity: C stands for coarse cavity, M stands for middle cavity, F stands for fine cavity, and EF stands for extra fine cavity.



Features

1. Simple and sound design of ZYC Cone Crusher is ideal for crushing operations;
2. The spring-loaded discharging system filters non-crushable materials automatically to avoid any damage to the machine;
3. The interlocked lubrication unit is equipped with a main motor for additional safety;
4. Inner and outer copper covers and steel & copper spherical surfaces to bear the dust-proof circle.
5. A rib liner is installed at the bottom of the frame to protect it from wearing.
6. The cone is made of cast steel, and there is a dabber on the heavy load position.

TECHNOLOGICAL PARAMETERS

Model	Cavity Size	Max. Feeding Size (mm)	Minimum Discharging Size (mm)	Motor Power (KW)	Capacity (t/h) Close discharge size										WEIGHT (Ton)		
					6	10	13	16	19	22	25	38	51	64			
ZTC 600	C	95	10	37-45	37-45		20	25	30	35	45	50	76			5.3	
	M	72	6	37-45	37-45	18	20	25	30	35	40	45	60			5.3	
ZTC 1000	C	160	13	90-110	90-110			80	100	135	150	175	235			10.8	
	M	115	10	90-110	90-110		65	75	90	120	135	150				10.8	
	F	80	8	90-110	90-110	52	62	72	78	115						10.5	
	EF	50	6	90-110	90-110	50	55	65	70	102						10.5	
ZTC 1160	C	180	13	110-132	110-132			115	135	150	180	200	260			15.3	
	M	130	10	110-132	110-132		100	110	120	135	165	175				15.3	
	F	90	10	110-132	110-132		80	105	110	140						15.3	
	EF	60	6	110-132	110-132	60	74	105	110	130						15.3	
ZTC 1300	C	200	16	132-160	132-160				150	180	200	230	310	390		22.3	
	M	150	13	132-160	132-160			115	140	160	190	210				22.3	
	F	102	10	132-160	132-160		90	115	145	160						22.3	
	EF	70	8	132-160	132-160		88	110	135	155						22.3	
ZTC 1380	C	215	19	185-220	185-220					200	220	260	350	440		26.3	
	M	160	16	185-220	185-220				155	180	200	220				26.3	
	F	115	13	185-220	185-220			150	190	210	230					26.3	
	EF	76	8	185-220	185-220		122	148	185	200						26.3	
ZTC 1500	C	235	22	185-220	185-220						265	310	420	525	580	37.7	
	M	175	19	185-220	185-220					215	240	265	320			37.7	
	F	130	13	185-220	185-220			180	210	235	255	275				37.7	
	EF	90	10	185-220	185-220		148	178	200	220						37.7	
ZTC 1680	C	267	22	250-300	250-300							330	390	525	655	725	44.3
	M	203	16	250-300	250-300					230	270	300	330			44.3	
	F	140	13	250-300	250-300		185	225	265	340						44.3	
	EF	95	10	250-300	250-300		180	220	260	335						44.3	

ZTS Cone Crusher

ZTS Cone Crusher is a high-performance model optimized and improved on the basis of PY Series Spring Cone Crusher. ZTS Cone Crusher is widely used for secondary and fine crushing in the fields of mining, building materials, metallurgies and so on. ZTS Cone Crusher can crush materials with middle and high hardness, such as, metal ore, basalt, granite, limestone, cobblestone, sandstone and so on.



Features

1. Customers can choose suitable crushing chamber of each model according to the material feature, fineness of the end product and particle size requirement.
2. Unique dustproof and sealing structure extend working life of lubricants and other spare parts.
3. The key parts are made of special materials to make the strong crushing force possible.
4. Equipped with long crushing arm to ensure huge stroke, strong crushing force, and high capacity;
5. Hydraulic cleaning system keeps the cavity clean, and it's easy to operate, thus reducing the stoppage of machines.
6. Reliable performance, low investment, and long service life of quick-wear parts.

Working Principle

During the operation of ZTS Series Cone Crusher, driven by the electric motor, the eccentric shaft bush will rotate with the triangle belt, small and big bevel gear, big bear, transmission shaft. Driven by the eccentric shaft bush, the Cone Crusher axis will move circularly, which makes the mantle close to or away from the cone in turn. And then the materials will be crushed by continuously compacting, striking, and crooking in the circle crushing cavity between the fixed and moveable cone.

TECHNOLOGICAL PARAMETERS

Model	Cavity Size	Max. Feeding Size (mm)	Adjustable Range of Output Size (mm)	Capacity (t/h)	Motor Power (KW)	Weight (t)	Overall Dimension (mm)
ZTS36B	Fine	85	9~22	45~91	75	14.5	2656×1746×2410
	Coarse	150	13~38	59~163			
	Extra Coarse	152	25~38	118~163			
ZTS36D	Fine	35	3~13	27~90	15	15	
	Medium	65	5~16	36~100			
	Coarse	85	6~19	59~129			
ZTS51B	Fine	115	13~31	109~181	160	26.5	2958×2354×3156
	Medium	178	16~38	132~253			
	Coarse	205	19~51	172~349			
	Extra Coarse	220	25~51	236~358			
ZTS51D	Fine	54	3~16	36~163	27	27	
	Medium	76	6~16	82~163			
	Coarse	89	8~25	109~227			
	Extra Coarse	113	16~25	209~236			
ZTS66B	Fine	178	16~38	181~327	250	51	3941×2954×3771
	Medium	205	22~51	258~417			
	Coarse	228	25~64	299~635			
	Extra Coarse	313	38~64	431~645			
ZTS66D	Fine	60	5~13	90~209	52	52	
	Medium	76	6~19	136~281			
	Coarse	113	10~25	190~336			
	Extra Coarse	125	13~25	253~336			
ZTS84B	Fine	236	19~38	381~726	315	90	4613×3251×4732
	Medium	284	25~51	608~998			
	Coarse	314	31~64	789~1270			
ZTS84D	Extra Coarse	391	38~64	880~1361	92	92	
	Fine	89	5~16	190~408			
	Medium	113	10~19	354~508			
	Coarse	151	13~25	454~599			
	Extra Coarse	172	16~25	508~653			

PY Series Spring Cone Crusher

PY Series Spring Cone Crusher is widely used for secondary and fine crushing in the fields of mining, chemical industry, building materials, metallurgies and so on. The Cone Crusher can crush materials with Moh's scale in middle and high hardness such as ironstone, copper ore, limestone, quartz, granite, rock and so on. The standard type (PYB) is applied to secondary crushing; the medium type (PYZ) and the short-head (PYD) are applied to fine crushing.



Working Principle

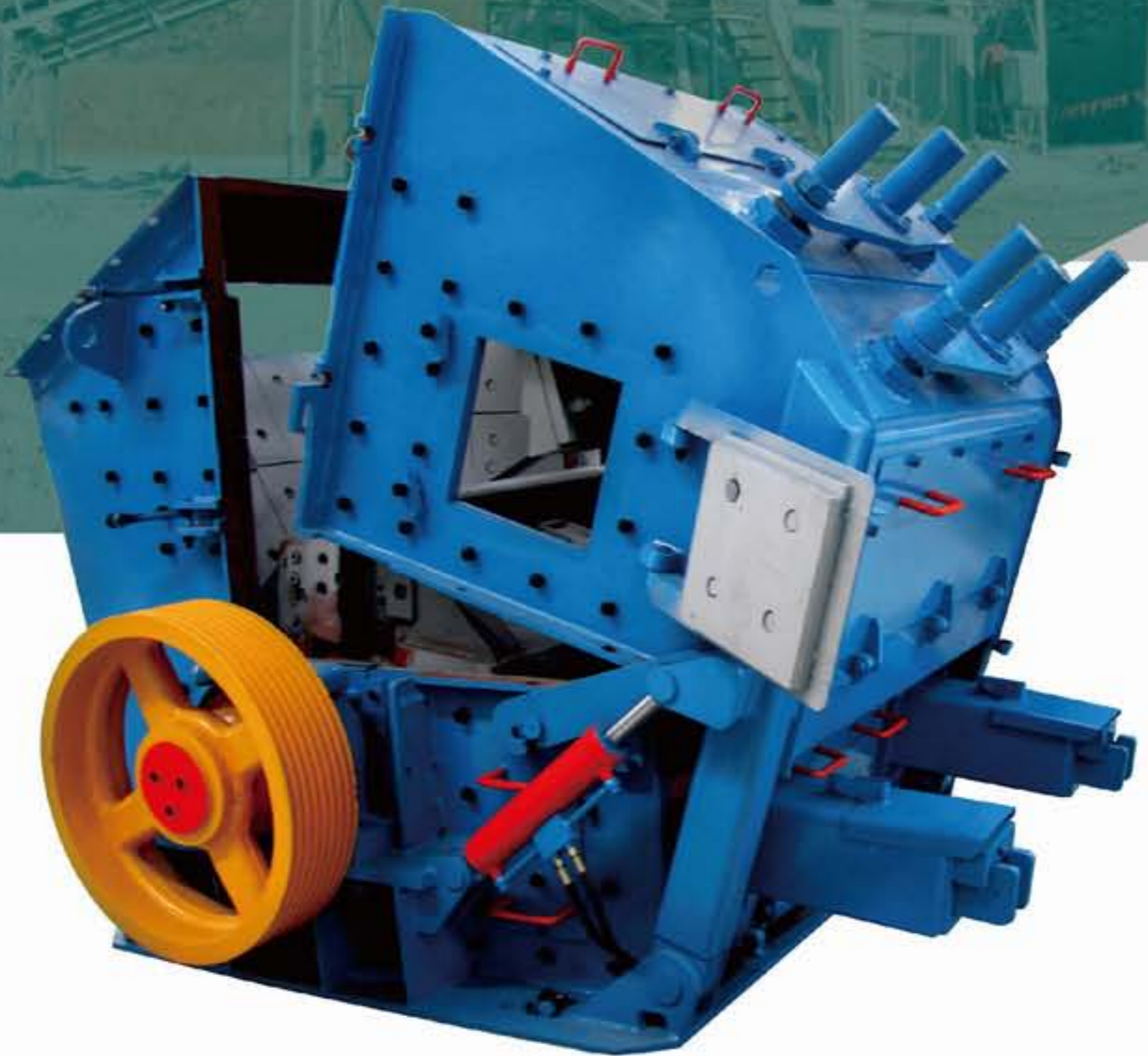
When the spring cone crusher is working, the motor drives the eccentric bearing bushing via spring coupling, transmission shaft and a couple of cone gear wheel. The crushing cone axis is forced to swing under the force of eccentric bearing bushing, which makes the mantle close to and far away from the bowl liner in turn. Raw materials are pressed, impacted and finally crushed in the crushing chamber.

Features

1. High capacity and superior quality;
2. Long working life of quick-wear parts, and low investment;
3. Dilute petrol stations for continuous lubrication to reduce downtime and maintenance time.

TECHNOLOGICAL PARAMETERS

Model	Max. Feeding Size (mm)	Adjustable Range of Output Size (mm)	Capacity (t/h)	Motor Power (KW)	Weight (t)	Weight (t)	Overall Dimension (mm)
PYB600	65	12-25	10-25	30	5	5	2234×1370×1675
PYD600	35	3-13	5-20	30	5.5	5.5	2234×1370×1675
PYB900	115	15-50	50-90	55	11.2	11.2	2692×1640×2350
PYZ900	60	5-20	20-65	55	11.2	11.2	2692×1640×2350
PYD900	45	3-13	15-50	55	11.3	11.3	2692×1640×2350
PYB1200	145	20-50	110-168	110	24.7	24.7	2790×1878×2844
PYZ1200	100	8-25	42-135	110	25	25	2790×1878×2844
PYD1200	50	3-15	18-105	110	25.6	25.6	2790×1878×2844
PYB1750	215	25-60	280-480	160	50.3	50.3	3910×2894×3809
PYZ1750	185	10-30	115-320	160	50.3	50.3	3910×2894×3809
PYD1750	85	5-15	75-230	160	50.4	50.4	3910×2894×3809
PYB2200	300	30-60	490-800	260/280	80	80	4622×3302×4470
PYZ2200	230	10-30	200-580	260/280	80	80	4622×3302×4470
PYD2200	100	5-15	120-340	260/280	81.4	81.4	4622×3302×4470



PFW Hydraulic Impact Crusher

PFW Hydraulic Impact Crusher features heavy duty rotor design, unique hammer locking system, replaceable wearing parts, and easy maintenance. PFW Hydraulic Impact Crusher is also low in operation cost and outstanding in performance, and the final output is very good in cubical shape.

FEATURES

1. World-class manufacturing, superior fabricating material;
2. Heavy-duty design of the rotor, strict inspection;
3. Integral cast steel of the shaft block;
4. Unique fastening device of the board hammer;
5. Updated adjusting device, saving the time of fixing and machine halt;
6. Equipped with opening device on the top to make it easier to replace the spare parts;
7. Higher standard of the bearings, better bearing capacity;
8. Finite-element analysis about the rotor to make it reliable and stable.

TECHNOLOGICAL PARAMETERS

Model	Spec.	Feed opening size (mm)	Max. feeding size (mm)	Capacity (t/h)	Power (KW)	Weight (t)	Overall dimension (mm)
PFW 1210III	Φ1150X960	570X990	250	70-120	90-110	15.0	2550X1870X2100
PFW 1214III	Φ1150X1400	570X1430	250	90-170	132-160	19.0	2550X2310X2100
PFW 1315III	Φ1300X1500	625X1530	300	180-270	160-200	25.0	2960X2570X2380
PFW 1318III	Φ1300X1800	625X1830	300	220-300	200-250	30.0	2960X2870X2380
Model	Spec.	Feed opening size (mm)	Max. feeding size (mm)	Capacity (t/h)	Power (kW)	Weight (t)	Overall dimension (mm)
PFW 1210II	Φ1150X960	1100X1030	400	90-160	90-110	17.0	2400X1870X2550
PFW 1214II	Φ1150X1400	1100X1430	500	130-200	132-160	22.0	2400X2310X2550
PFW 1315II	Φ1300X1500	1200X1530	600	180-320	160-200	29.0	2700X2570X2800
PFW 1318II	Φ1300X1800	1200X1830	700	240-400	200-250	34.0	2700X2870X2800

PF Impact Crusher

PF Impact Crusher is used for primary, secondary and fine crushing of almost all kinds of stones and rocks with compressive strength less than 350 MPa, such as granite, marble, and limestone. The Impact Crusher is widely used for sand and rock production in the industries like roads, railways, reservoir, electricity power, building material, etc.

FEATURES

1. Cubic-shaped end products;
2. Size of end products is adjustable, to simplify the crushing process;
3. The board hammer is made of high chrome, abrasion-resistant, and with powerful impacting force;
4. Non-key connected, easy to maintain, and reducing cost;
5. Sound structure and high rigidity.

WORKING PRINCIPLE

When the materials come close to the board hammer, they are flung into the impact device via the high-speed impact energy of the board hammer. These materials will be re-crushed after rebounding into the scale board. The bigger materials are crushed again and again until it is small enough according to customers' requirements.



TECHNOLOGICAL PARAMETERS

Model	Rotor Size (mm)	Feed Opening Size (mm)	Max. Feeding Size (mm)	Capacity (t/h)	Motor (KW)	Motor (KW)	Overall Dimension (mm)
PF-1007	ø1000×700	400×730	250	15-50	37-55	37-55	2400×1560×2660
PF-1010	ø1000×1050	400×1080	300	50-80	55-75	55-75	2440×2250×2630
PF-1210	ø1250×1050	400×1080	300	70-130	110-132	110-132	2700×2340×2870
PF-1214	ø1250×1400	400×1430	300	90-180	132-160	132-160	2700×2695×2900
PF-1315	ø1320×1500	860×1520	350	120-250	180-260	180-260	2860×2800×3050
PF-1320	ø1320×2000	860×2030	500	160-350	300-375	300-375	2870×3350×3090



B-series VSI Crusher

B-series Crusher is a model improved on the basis of Germany high technology, which is highly-efficient and superior in performance. The Oriental VSI Crusher (sand making machine) is widely used to make sand and stone for highway, railway, city projects, hydropower dam constructions, and concrete mixing plant, and it's also widely used for sand making and stone reshaping.

TECHNOLOGICAL PARAMETERS

Model		VSI-7611	VSI-8518	VSI-9526	VSI-1140
Capacity (t/h)	Center and Sides Feeding	120-180	200-260	300-380	450-520
	Center Feeding	60-90	100-130	150-190	225-260
Max. Feeding	Soft Material	35	40	45	50
Size (mm)	Hard Material	30	35	40	45
Rotation Speed(rpm)		1700-1890	1520-1690	1360-1510	1180-1310
Double Motor Power (kw)		110	180	264	400
Overall DimensionL×W×H (mm)		3700×2150×2100	4140×2280×2425	4560×2447×2778	5000×2700×3300
Weight (t)		7.8	10.3	16	25.6
Vibrating Sensor		Inspection Range: 0.1-20mm/s Continual Adjustment			
Hydraulic Oil Pump	Motor Power of Double Oil Pump(KW)	2×0.31kw			
	Overall Dimension L×W×H (mm)	820×520×1270			
	Power of Oil Tank Heater	2KW			

FEATURES

1. Equipped with two oil pumps, the machine stops automatically if there is no oil; motor works after being heated in winter.
2. Hydraulic lifting system to check and replace the spare parts, thus the machine being very easy to maintain.
3. The bearing is of SKF and TIMKEN brand.
4. Unique vibrating alarm device: if the machine works abnormally, the alarm will sound to stop the machine, thus protecting the whole machine.
5. Special feeding structure; rock on rock, and rock on iron to make the stones crushed and reshaped.
6. Unique dustproof sealing system to prevent the dust getting close to the spare parts.
7. Unique design of material bumping angle reduces the friction between raw material and spare parts, extending the working life of spare parts and cutting the cost.





P Series VSI Crusher

P series VSI Crusher are widely used in metallurgy, mining, chemical, cement, coal gangue, construction, sand, refractory material, ceramics, etc. It is suitable for crushing of almost all kinds of soft and hard ores with compression strength less than 320 MPa.

FEATURES

1. Simply structured and low investment;
2. High efficiency and low energy consumption;
3. Scale board of the impeller is very durable and is easy to maintain;
4. Capable of fine and coarse grinding;
5. The moisture of raw materials can be as big as 8%.
6. Suitable for crushing materials with middle and high hardness;
7. Cubically shaped end products, high density of piling up and low iron pollution;
8. Working noise < 75db, and little dust pollution.

WORKING PRINCIPLE

The materials fall into the crusher and are divided into two parts. One part goes into the high-speed-running impeller, and the other part goes around the impeller. The two parts hit against each other at a high speed and are crushed under the centrifugal force. The end products going out from the bottom will be screened after that.



TECHNOLOGICAL PARAMETERS

Model	Impeller Speed (rpm)	Max. Feeding Size (mm)	Capacity (t/h)	Motor Power (KW)	Weight (t)	Overall Dimension (mm)
PCL-600	2000-2600	30	12-30	2×30	5.6	2800×1500×2030
PCL-750	1500-2500	35	25-55	2×45	7.3	3300×1800×2440
PCL-900	1300-1700	40	50-80	2×55	12.1	3750×2120×2660
PCL-1050	1100-1450	45	70-120	2×110	16.5	4480×2450×2906
PCL-1250	950-1200	45	80-160	2×132	22	4563×2650×3176
PCL-1350	800-1200	50	120-220	2×160	26	5340×2940×3650

Efficient Crushing-type Mills

Efficient crushing-type mills are widely used in metallurgy, mining, chemical, cement, coal gangue, construction, sand, refractory material, ceramics, etc. It is suitable for crushing of almost all kinds of soft and hard ores with compression strength less than 320 MPa.



WORKING PRINCIPLE

Efficient Crushing Mill consists of frame, rotor, hammers and bars, etc. The frame is divided into two parts, the upper one and lower one, which are welded by steel plates. The remaining parts are bolted together. High manganese steel liners within the frame are replaceable after wearing. There are hammers fastened on the main shaft, which constitutes the rotor with the hammers axle and rotary table. The rotor is driven by the main shaft which moves under the force of the motor and v-belt. The hammers move at high speed under the centrifugal force to break the bigger materials. Those materials which are up to requirements will be discharged from the bottom. Those which are not up to requirements will be left in the crushing chamber and re-crushed. To avoid clogging, the moisture of the material should be under 5%.

FEATURES

1. High production and high crushing ratio.
2. Low power consumption, homogeneous particle size.
3. Simple, compact and light mechanical structure.
4. Low investment cost, easy management

TECHNOLOGICAL PARAMETERS

Model	PC4008-75	PC4012-90	PC4015-132
Rotor Diameter (mm)	750	900	1150
Rotor Length (mm)	800	1200	1500
Rotor Speed (r/min)	800-1000	800-1000	550-800
Inlet Size (mm)	320×930	400×1200	500×1500
Max. Feeding Size (mm)	50	50	100
Output Size (mm)	0-3	0-3	0-8
Capacity (t/h)	10-30	30-60	60-100
Motor Power(KW)	55-75	75-90	110-132
Hammer Quantity (PCS)	18	32	32
Dimension L*W*H(mm)	2310*1665*1610	2840*2100*2020	3720*2650*2540



Vibrating Feeder

Vibrating Feeder is a kind of linear direction feeding equipment. It can send shaped and granule materials into crusher evenly, timely and continuously as well as screen the materials roughly. The vibrating feeder is widely used in crushing and sieving production line such as metallurgy, building material, chemical industry, coal, mining and grinding industry.

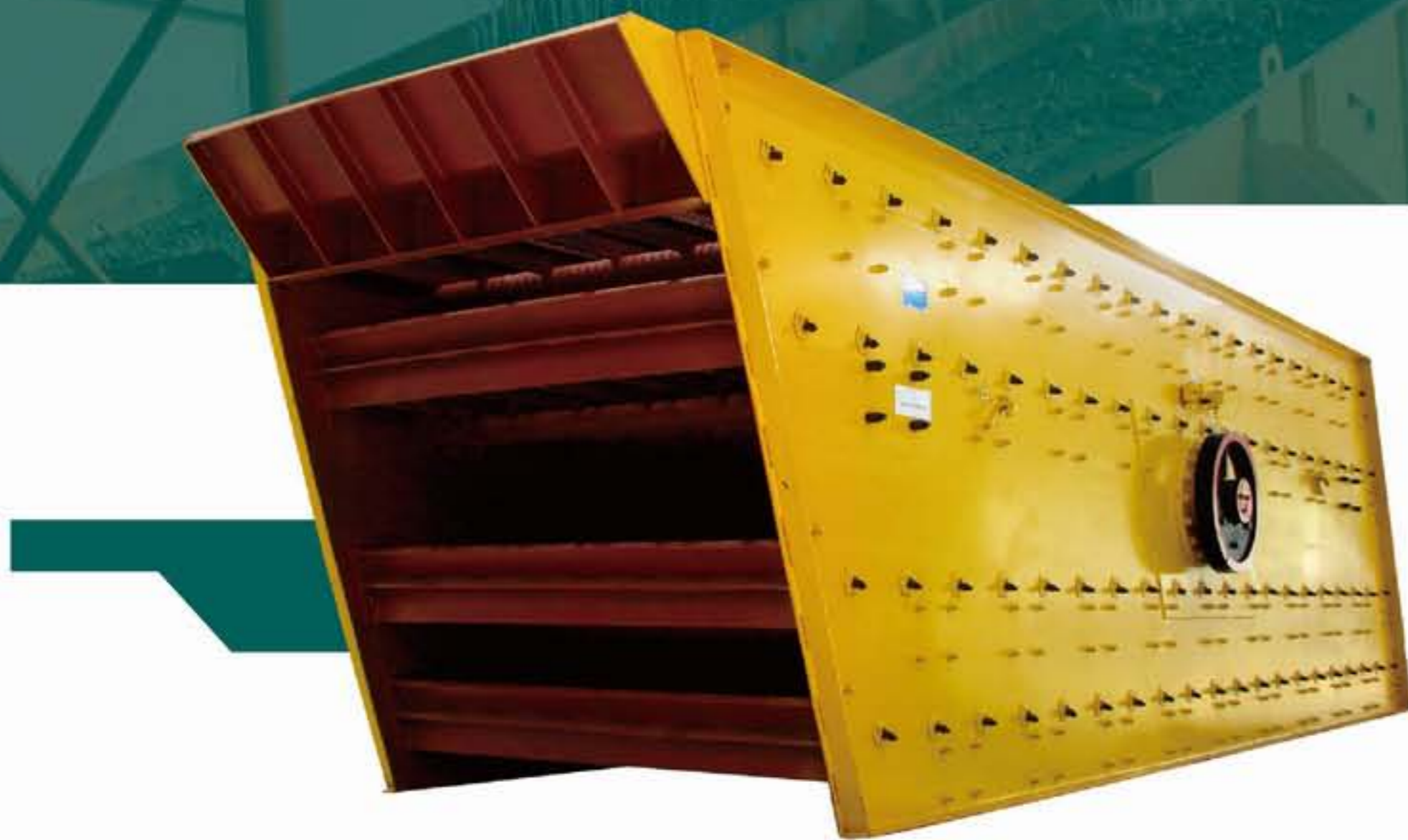


Features

1. Smoothly vibrating and long service life.
2. Vibrating force adjustable, easy to operate.
3. Low noise and power consumption.
4. Simple structure, easy to maintain.

TECHNOLOGICAL PARAMETERS

model \ Item	Feeding Chute Size (mm)	Max. Feeding Size (mm)	Capacity (t/h)	Motor Power (KW)	Weight (Ton)	Overall Dimension (mm)
GZD-850×3000	850×3000	400	80-120	2×2.2	3.89	3110×1800×1600
GZD-960×3800	960×3800	500	120-210	11	3.98	3850×1950×1630
GZD-1100×4200	1100×4200	580	200-430	15	4.17	4400×2050×1660
GZD-1100×4900	1100×4900	580	280-500	15	4.52	5200×2050×1700
GZD-1300×4900	1300×4900	650	450-600	22	5.20	5200×2350×1750
GZD-1500×6000	1500×6000	800	500-700	30	8.60	6082×2580×2083



Circular Vibrating Screen

Circular Vibrating Screen has multi-layers and its screen size is adjustable, it can screen out many kinds of materials with different sizes. It is widely used for grading and screening materials in the fields of minerals, quarry, building materials, etc.

Features

1. Long flow line and various screening specifications.
2. Using the eccentric blocks to generate strong vibrating force.
3. Screen cross-beam and box are connected by strong bolts, simple structure, convenient in maintenance.
4. Small amplitude, high frequency, large-inclination structure, high efficiency, large capacity, long service life, low power consumption and noise.

TECHNOLOGICAL PARAMETERS

Model	Screen Size (mm)	Screen Decks	Screen Hole Size (mm)	Max. Feeding Size (mm)	Capacity (t/h)	Motor Power (KW)	Weight (t)	Overall Dimension (mm)
2YZS1237	3700×1200	2	3-50	200	10-80	11	2.40	4773×2050×2247
3YZS1237	3700×1200	3	3-50	200	10-80	11	3.05	4773×2050×2700
2YZS1548	4800×1500	2	3-100	400	30-200	15	5.35	5900×2270×1620
3YZS1548	4800×1500	3	3-100	400	30-200	15	6.07	5900×2270×1670
2YZS1848	4800×1800	2	3-100	400	50-280	18.5	6.15	5900×2560×1620
3YZS1848	4800×1800	3	3-100	400	50-280	18.5	6.93	5900×2560×1670
2YZS1860	6000×1800	2	3-100	400	65-550	22	6.95	7060×2560×1620
3YZS1860	6000×1800	3	3-100	400	65-550	22	7.70	7060×2560×1670
4YZS1860	6000×1800	4	3-100	400	65-550	30	8.70	7060×2560×1930
2YZS2160	6000×2100	2	3-100	400	81-720	22	8.48	7130×2990×1760
3YZS2160	6000×2100	3	3-100	400	81-720	30	9.24	7130×2990×1810
4YZS2160	6000×2100	4	3-100	400	81-720	30	10.45	7130×2990×1930
2YZS2460	6000×2400	2	3-150	400	100-810	30	12.35	7130×4121×1810
3YZS2460	6000×2400	3	3-150	400	100-810	37	13.85	7130×4121×1940
4YZS2460	6000×2400	4	3-150	400	100-810	37	15.60	7130×4121×2080



Belt Conveyor

The machine is used for conveying materials in bulk or as articles, it is widely used in the industry of mining, building materials, metallurgy, coal and so on. The conveying system can be single or multi-conveyors or combined with other equipments, horizontally or at a certain slope. The machine has advantages of large conveying capacity, simple operation, convenient maintenance and standardization of the spare parts.

WORKING PRINCIPLE

The Belt Conveyor consists of frame, belts, roller, tension bridle, actuating device, etc. The frame is connected by superior steel plate and is equipped with roller and carrier roller which are used to drive and support the belts. There are two driving models, one is driven by reducer motor, the other is driven by motorized pulleys.

TECHNOLOGICAL PARAMETERS

Model	Power (KW)	Driving Roller (mm)	Positive Roller (mm)	Lower Supporting Roller (mm)	Upper Supporting Roller (mm)	Belt Thickness	Main Frame	Supporting Frame	Transporting Speed (m/s)	Capacity (t/h)
B400	<12m=2.2	φ240×500	φ219×500	φ89×460 ×3mm	φ89×235 ×3mm	5Layers 11 mm	14#× 6 mm	10#× 5 mm	0.8-2.0	40-80
	12m-19m=3									
	20m-25m=4									
B500	<12m=4	φ320×600	φ219×600	φ89×600 ×3mm	φ89×190 ×3mm	5Layers 11mm	14#× 6mm	10#× 5mm	0.8-2.0	78-191
	12m-19m=5.5									
	20m-30m=7.5									
B650	<12m=4	φ400×750	φ273×750	φ89×750 ×3mm	φ89×240 ×3mm	5Layers 11mm	14#× 6mm	10#× 5mm	0.8-2.0	131-323
	12m-19m=5.5									
	20m-30m=7.5									
B800	<10m=5.5	φ420×950(≤10m)	φ320×950	φ89×950 ×3mm	φ89×305 ×3mm	5Layers 12mm	16#× 6.5mm	12#× 5.5mm	1.0-2.0	278-546
	10m-15m=7.5									
	16m-20m=11									
	21m-25m=15									
B1000	<10m=7.7	φ520×1150(≤12m)	φ420×1150 (≤12m)	φ108×1150 ×3.5mm	φ108×375 ×3.5mm	6Layers 13mm	18#× 7mm	14#× 6mm	1.0-2.0	435-853
	10m-15m=11									
	16m-23m=15									
	24m-30m=22									
B1200	<10m=11	φ520×1400(≤12m)	φ420×1400 (≤12m)	φ108×1400 ×3.5mm	φ108×460 ×3.5mm	6Layers 13mm	18#× 7mm	14#× 6mm	1.0-2.0	650-1020
	10m-17m=15									
	18m-22m=18.5									
	23m-26m=22									
B1400	<10m=15	φ600×1600(≤12m)	φ600×1600 (≤12m)	φ108×1600 ×3.5mm	φ108×520 ×3.5mm	7Layers 14mm	16#× 7mm	14#× 6mm	1.0-2.0	821-1232
	10m-15m=18.5									
	15m-18m=22									
	19m-23m=30									
	24m-27m=37									
28m-30m=45										



LSX Series Screw Sand Washing machines

LSX Series Screw Sand Washing machines adopt 15 ° tilter layout. There is a flow tank under the flume with tri-side board. The head of screw merge in the flow tank. The motor through the decelerator drives the crew circumrotating. The water is fed in the flow tank via the under porous plate. This machine can be used for washing, dehydrating and classifying, which are widely used in sandstone factory, construction site, hydroelectric site, hydroelectric station dam, glass manufacturing, oil well backfilling and so on.



TECHNOLOGICAL PARAMETERS

Model	Number of Spiral	Spiral Diameter (mm)	Tank Length (mm)	Feeding Size (mm)	Capacity (t/h)	Rev.of spiral (rpm)	Required Motor (KW)	Water Consumption (t/h)	Weight (t)	Overall Dimensions (A*B*H) (mm)
LSX-920	1	920	7585	≤10	100	21	11	10-80	6.2	8420×2180×3960
2LSX-920	2	920	7585	≤10	200	21	11×2	20-160	11.5	8420×3970×3960
LSX-1120	1	1120	9750	≤10	175	17	18.5	20-150	10.9	10770×3950×4860
2LSX-1120	2	1120	9750	≤10	350	17	18.5×2	40-300	17.8	10770×5260×4860

XSD-series Sand Washing Machine

XSD-series Sand Washing Machine adopts wheel-like structure and is usually co-used with sand making machines. It can wash stone powder and residual away from the mixed sands produced, improving the sand purity. XSD Sand Washer is used for washing, grading and dehydrating in sandstone factory, construction site, hydroelectric station dam, glass manufacturing, and oil process capacity, and economical power cost. The advanced design isolating transmission device from water and sand, reduces the malfunction of the machine compared with traditional sand washer.



TECHNOLOGICAL PARAMETERS

Model	Impeller Size (mm)	Feeding Size (mm)	Capacity (t/h)	Motor Power (KW)	Weight (t)	Overall Dimension (mm)
XSD2610	ø2600×1000	<10	20-50	5.5	2.68	3255×1982×2690
XSD2816	ø2800×1600	<10	30-60	7.5-11	3.05	3540×3000×2880
XSD3016	ø3000×1600	<10	50-120	11-15	3.26	3845×3000×3080
XSD3620	ø3600×2000	<10	60-150	18.5	4.3	4500×3206×3480



TGM Trapezium Mill

TGM Trapezium Mill is a world leading model designed by our senior engineers and first-class technical staff, based on our experience in this industry for so many years and adopting advanced grinding technology all over the world. Adopting a number of national patents such as trapezium working surface, flexible connection, roll linked pressure boost, etc., it has totally overcome defects of traditional mill in application, capacity, fineness, energy consumption, service life, etc., and it is the ideal substitute of traditional mill, such as Raymond mill, high pressure suspension mill, ball mill, etc. Nowadays, it has been widely used in electric power industry, metallurgy industry, chemical, building, coal industry, refractory materials, etc., and it has achieved huge economic social benefits.



Features

1. innovated design of roller and ring
2. highly efficient balancing and pressuring spring
3. impeller device with high density and high precision

TECHNOLOGICAL PARAMETERS

Item\Model	TGM100	TGM130	TGM160
Roller (piece)	4	5	6
Roller Diameter×Height (mm)	Φ320×200	Φ410×240	Φ440×270
Ring Inner Diameter×Height (mm)	Φ980×200	Φ1280×240	Φ1600×270
Speed Of Main frame (r/min)	130	103	82
Max. Input Size (mm)	< 25	< 30	< 35
Product Size (mm)	1.6-0.045 Fineness can veach to 0.038	1.6-0.045 Fineness can veach to 0.038	1.6-0.045 Fineness can veach to 0.038
Capacity (t/h)	3-8.8	6-13	13-22
Overall Dimension (mm)	9910×5365×8310	7910×7000×9645	12550×5700×8355
Weight (t)	16	26.1	35

WORKING PRINCIPLE

Reducer drives the centering axis, which is connected by a cinquefoil shelf on the top with the roller and forms a swing pivot. Roller revolves around the centering axis and the ring, and the roller rotates by itself under the friction force. There are shovels at the bottom of cinquefoil shelf to throw materials into the space between rollers and ring and form a material bed, thus materials being crushed under the centrifugal force generated by the roller when it's rotating.



High-pressure Suspension Mill

The High-pressure Suspension Mill is applied to grind non-flammable and non-explosive materials in the industries like building materials, mining, metallurgies and chemical industry, etc. The material should be under 9.3 in Moh' s scale in hardness, and less than 6% in humidity, such as quartz, feldspar, barite, fluorite, dolomite, garnet, bauxite, zircon, marble, calcite, iron ore, rock phosphate, coal, slag and so on (over 400 kinds). The size of the end products is adjustable from 30 mesh to 425 mesh.



WORKING PRINCIPLE

The High-pressure Suspension Mill shares the same working principle with Raymond Mill, but its grinding fitting is equipped with 1000 - 1500 kg pressure spring. During operation, the grinding rollers move close to the grinding ring under the action of high pressure spring and centrifugal force, generating a rolling pressure 1.2 times of Raymond mill, and the capacity is 20% to 30% higher than Raymond Mill. The wearing of grinding rollers and grinding ring can be reduced by adjusted the length of high-pressure spring to ensure stable output and required fineness.

TECHNOLOGICAL PARAMETERS

Model	Grinding Roller			Grinding Ring		Feeding Size (mm)	Output Size (mm)	Capacity (t/h)	Motor Power (KW)	Overall Dimension (mm)
	Numbers (PCS)	Diameter (mm)	Height (mm)	Outside Diameter (mm)	Height (mm)					
YGM65	3	210	150	726	150	<15	0.613-0.033	0.3-2.0	28.2	4480×3100×3970
YGM75	3	260	150	865	150	<15	0.613-0.033	0.4-3.1	35.7	5000×4100×4850
YGM85	3	270	140	907	140	<20	0.613-0.033	0.5-4.0	42.7	5150×5000×5200
YGM95	4	310	170	1050	170	<25	0.613-0.033	1.1-5.6	72.5	7550×7400×8100
YGM130	5	410	210	1400	210	<30	0.613-0.033	2.2-9.5	172.5	8510×8000×9645
YGM160	6	440	270	1740	270	<35	0.613-0.033	8-22	275	12550×5700×8355



Raymond Mill

The Raymond Mill is applied to grind non-flammable and non-explosive materials in the industries like building materials, mining, metallurgies and chemical industry, etc. The material should be under 7 in Moh' s scale in hardness, and less than 6% in humidity, such as quartz, feldspar, barite, fluorite, dolomite, garnet, bauxite, zircon, marble, calcite, iron ore, rock phosphate, coal, slag and so on (over 300 kinds). The size of the end products is adjustable from 30 mesh to 425 mesh.

FEATURES

1. compactly structured to save space
2. smooth conveying, stable operation

TECHNOLOGICAL PARAMETERS

Model	Grinding Roller			Grinding Ring		Feeding Size (mm)	Output Size (mm)	Capacity (t/h)	Motor Power (KW)	Overall Dimension (mm)
	Numbers (PCS)	Diameter (mm)	Height (mm)	Outside Diameter (mm)	Height (mm)					
3R1410	3	140	100	495	100	< 8	0.613-0.044	0.15-1.2	14.1	3340×2200×3200
3R2115	3	210	150	726	150	< 15	0.613-0.044	0.28-1.8	28.2	4480×3100×3970
3R2615	3	260	150	865	150	< 15	0.613-0.044	0.35-2.8	35.7	5000×4100×4850
3R2715	3	270	150	884	150	< 15	0.613-0.044	0.40-3.4	42.7	5050×4150×4900
4R3016	4	300	160	990	160	< 20	0.613-0.044	0.6-4.5	55	5250×5000×5500
4R3216	4	320	160	1073	160	< 25	0.613-0.044	1.0-5.2	72.5	7700×7200×8800



WORKING PRINCIPLE

After the materials enter the grinding cavity of the main equipment, the grinding roller swings outward and presses closely upon the grinding ring under the centrifugal force generated by the rotation of the main shaft. The lade carries materials to the space between the grinding roller and grinding ring and materials are ground as the grinding roller rotates. After being ground, the powder is selected by classifier via the cycle wind of the blower and the rough powder will be send back to the grinding cavity for re-grinding. The qualified powder is brought into the powder collector by airflow. The powder comes out as end products while the airflow goes back to the powder collector in cycling to make the machine work normally. The remained airflow comes out after purification by dust catcher.



FEATURES

1. High-efficiency and low consumption. With the same end-products fineness and motor power, the output can be doubled compared with Jet Mill, Mix Mill, and Ball Mill.
2. Longer service life for wearing parts. The grinding roll and ring are made of special alloy. Generally, their service life is more than one year, in certain condition it even could up to over 3 years, like when it processes calcium carbonate and Calcite.
3. More secure and Reliable. There is no rolling bearing or screw in the grinding cavity, thus no problem caused by the wearing of bearings or screws.
4. Good performance on Cleansing & Environment Protection. This machine reduces the industrial dust pollution and noise by applying Pulse Dust Collector and muffler, which reaches the National Standard.

TECHNOLOGICAL PARAMETERS

Model	Roller Numbers (PCS)	Ring Diameter (mm)	Ring Numbers (PCS)	Max. Feeding Size (mm)	Output Size (mm)	Capacity (kg/h)	Motor Power (KW)	Overall Dimension (mm)
ZTM80	21	ø800	3	20	0.044-0.005	600-4500	55	13000×3000×5800
ZTM90	24	ø900	3	20	0.044-0.005	700-5500	37×2	14700×4800×7200
ZTM100	27	ø1000	3	20	0.044-0.005	900-6500	110	18000×4000×8600
ZTM100A	36	ø1000	4	20	0.044-0.005	1000-7500	110	18000×4600×8600

Three-ring Micro Powder Mill

Three-ring Micro Powder Mill (ultrafine mill) is applied to grind non-flammable and non-explosive materials in the industries like building materials, mining, metallurgies and chemical industry, etc. The material should be under 6 in Moh's scale in hardness, and less than 6% in humidity, such as quartz, feldspar, barite, fluorite, dolomite, garnet, bauxite, zircon, marble, calcite, iron ore, rock phosphate, coal, slag and so on (over 300 kinds). The size of the end products is adjustable from 325 mesh to 2500 mesh (0.044-0.005mm).





Model	Rotation Speed of Cylinder (r/min)	Loading of Ball (t)	Feeding Size (mm)	Output Size (mm)	Capacity (t/h)	Motor Power (KW)	Weight (t)
ø900×1800	38	1.5	<20	0.074-0.8	0.65-2	18.5	3.6
ø900×3000	38	2.7	<20	0.074-0.8	1.1-3.5	22	4.6
ø1200×2400	32	3.8	<25	0.074-0.6	1.5-4.8	45	12.5
ø1200×3000	32	5	<25	0.074-0.4	1.6-5	45	12.8
ø1200×4500	32	7	<25	0.074-0.4	1.6-5.8	55	13.8
ø1500×3000	27	8	<25	0.074-0.4	2-5	90	17
ø1500×4500	27	14	<25	0.074-0.4	3-6	110	21
ø1500×5700	27	15	<25	0.074-0.4	3.5-7	132	24.7
ø1830×3000	24	11	<25	0.074-0.4	4-10	180	28
ø1830×6400	24	23	<25	0.074-0.4	6.5-15	210	34
ø1830×7000	24	25	<25	0.074-0.4	7.5-17	245	36
ø2200×5500	21	30	<25	0.074-0.4	10-22	370	48.5
ø2200×6500	21	31	<25	0.074-0.4	14-26	380	52.8
ø2200×7500	21	33	<25	0.074-0.4	16-29	380	56
ø2200×9500	21	38	<25	0.074-0.4	18-35	475	62
ø2400×7000	20	39.5	<25	0.074-0.4	20-32	475	68
ø2700×3600	21	39	<25	0.074-0.4	13-28	400	77
ø3200×4500	19	65	<25	0.074-0.4	24-49	800	126
ø3600×6000	18	117	<25	0.074-0.4	38-82	1600	190

Ball Mill

Ball Mill is widely applied to grind ores, cement, fireproof materials, glass, ceramics, etc. It can grind almost all kinds of rocks and grinding materials. The material can be grinded either by wet process or by dry process.

WORKING PRINCIPLE

The Ball mill can be divided into lattice type and overflow type according to different ways of ore discharging, and the Ball Mill is two-lattice-type. The materials from the feeding fittings enter the first bin of the milling machine via the feeding hollow axis evenly when it works. There is a ladder-like or ripple-like scale board in the first bin, and different specification steel balls are installed in the bin. When the cylinder rotates, which generating centrifugal force to carries steel balls to a certain height and then balls fall to strike and grind the material. After primary grinding in the first bin, the material then enters into the second bin via a single layer partition board. There is a scale board and steel balls in the second bin, so the materials are further ground. In the end, the powder is discharged by output material board.

