

Chengdu Dahongli Machinery Co., Ltd

Chengdu Dahongli Machinery Co., Ltd (the “company”) is one of the most famous enterprises in China that specializes in the manufacture of sand and stone processing equipment and ore crushing & production line. With over twenty years of development, the company now is equipped with advanced production line and R & D center, as well as a professional team for research, design, manufacture, sales, installation, maintenance of products and related training.



The company adopts advanced technologies from home and abroad, implements highly efficient development strategy, innovate technology as its core competitiveness, and follows a path of winning the market with quality and brand. It has developed over 80 products in eight categories, including the jaw type crusher series, cone type crusher series, vertical shaft impact crusher series, spiral type sand washing machine series, belt conveyor series, vibration type grading sieve series, reaction crusher series, and vibration feeding machine.

Taking advantage of the west development program, Dahongli has accumulated vast expertise and experienced rapid growth, and has contributed to the Three Gorges Project, Chengdu-Chongqing High-speed Railway Project, Shuangliu International Airport Project, post-earthquake construction work in Sichuan, mine construction and urban-rural integration.

With solid technical force, advanced production facility, excellent testing system, superior product performance, fast, quality, low-cost 24-hour after service, and a customer-oriented philosophy, the products of the company are sold around the country and in the international market, enjoying accolades from our customers.

We will progress steadily along the way. Based on customer needs, we will gather up our force and make continued breakthrough, and translate the winning concept for quality products and service to practice, striving to bring about the perfect outcomes for our employees, our clients and the society.

Dahongli Machine looks forward to joining hands with you to create a brilliant future!

PYY-series Single-cylinder Hydraulic Cone Crusher

Production Introduction:

PYY series single-cylinder hydraulic cone type crushers are suitable for medium and large sized sand and mineral processing enterprise. They are used for the second, third, fourth crushing of mineral, rock and bedrock material. When it crushes materials, the crushing wall and rolling wall are driven by the deflection sleeve to complete the process. Material enters the crushing chamber through the upper hopper and is discharged after crushing and collected by another hopper. This series is characterized by high capacity, low cost, delicate structure, simple operation, less maintenance, broad application and high efficiency.



Product Characteristics:

1. Broad application. It can crush relatively harder rock. The main engine can have chambers of various shapes by changing the liner plate, so it can be used in many situations. Medium crushing type has stable and large hopper and can be used for class 2 crushing (even coarse particles).
2. Products have good shape. The optimized crushing frequency, eccentricity and laminated crushing make the crushed material at the hopper maintain good shapes.
3. The production cost is lower. Optimal design of liner plate reduces unit steel consumption. Laminated crushing and discharge of material increases operating efficiency.
4. Maintenance is simple. Button control can use hydraulic pressure to realize stepless adjustment of the hopper. It can be carried out during the production to make operation simple. After fine finishing, the wear part needs not to be packed in assembly.
5. High degree of automation.

Technical Parameters of PYY Cone Crusher:

Model	Chamber	Feeding hole (mm)	MAX. feeding size (mm)	Min. discharging size (mm)			Max. discharging size (mm)			Motor power (KW)	Main body Weight (KG)
				Stroke	Stroke	Stroke	Stroke	Stroke	Stroke		
PYY 100				16	22		16	22		90	6000
	A	150	120	120	15		39	37			
	B	130	105	105	11		33	31			
	C	100	85	85	9		33	30			

	D	40	32	32	6		31	29			
PYY 200				18	22		18	25		160	10600
	A	220	180	180	22		35	30			
	B	150	120	120	19		35	30			
	C	80	60	60	12		35	30			
	D	40	32	32	8		35	30			
PYY 300				25	32		25	32		250	15500
	A	230	190	190	25		45	40			
	B	150	125	125	20		45	40			
	C	80	60	60	13		40	35			
	D	40	32	32	8		40	35			
PYY 500				25	32	40	25	32	40	315	22500
	A	230	180	180	26	30	50	45	40		
	B	150	125	125	22	26	48	43	38		
	C	100	80	80	14	16	40	35	30		
	D	50	40	40	10	12	30	25	20		

Model	Stroke	Closed side discharge outlet T/H								
		8mm	12mm	16mm	20mm	25mm	30mm	35mm	40mm	45mm
PYY 100	16	35-40	45-55	55-65	65-75	75-85	90-100	105-115		
	22	45-50	55-65	65-75	75-90	85-105	100-125	115-135		
PYY 200	18	65-75	75-90	85-105	100-125	135-150	160-175	170-190		
	25		90-110	110-130	125-155	160-180	185-210			
PYY 300	25	100-120	110-135	130-160	150-180	170-200	200-230	230-260	250-290	270-310
	32	110-135	130-150	160-200	180-220	200-250	230-280	260-310	280-320	300-340
PYY 500	25	100-120	120-150	140-170	160-190	190-220	220-250	250-280	280-310	330-370
	32		150-170	170-200	200-230	250-270	280-300	310-340	370-420	430-500
	40		180-200	210-240	250-280	300-330	330-380	370-420	430-500	

Technical parameters of PYYZ cone crusher:

Model	Chamber	Feeding hole (mm)	MAX. feeding size (mm)	Min. discharging size (mm)			Max. discharging size (mm)			Motor power (KW)	Main body Weight (KG)
				Stroke	Stroke	Stroke	Stroke	Stroke	Stroke		
PYYZ 100				16	22		16	25		75-90	8300
	A	300	250	35	35		65	60			
	B	250	210	35	35		60	60			
PYYZ 200				18	25		18	25		110-160	11800
	A	330	280	27	30		65	60			
	B	250	210	25	28		60	55			
PYYZ 300				25	32		25	32		160-250	20000
	A	380	320	28	32		73	69			
	B	280	240	26	30		66	62			
PYYZ 500				18	25	32	18	25	32	250-315	33000
	A	500	420	50	55	60	80	75	70		

	B	380	320	40	45	50	70	65	60		
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Model	Stroke	Closed side discharge outlet T/H								
		35mm	40mm	45mm	50mm	55mm	60mm	65mm	70mm	75mm
PYYZ 100	16	135-15	145-165	155-175	165-185	175-190	180-205			
	20	160-180	170-200	180-210	190-220	200-230	205-235			
PYYZ 200	18	160-190	180-210	200-230	230-250	250-270	270-300			
	25	190-240	210-260	230-280	260-310	290-340	310-370			
PYY 300	25	250-300	290-340	320-350	350-380	380-410	410-440	440-470		
	32	340-390	370-420	400-440	430-470	470-500	500-510	530-540		
PYY 500	18			300-350	330-380	370-420	400-450	430-480	460-510	500-550
	25				500-550	550-600	600-650	650-700	700-750	750-800
	32				650-700	700-750	750-800	825-875	900-950	950-1000

The production capacity is only for reference and only as the applicable parameters when medium hardness granite stone of 1.6t/m³ is packed in the crushing chamber. Reference production for other aggregates can be determined by volume weight.

Different chambers and strokes have different hoppers. Permissible hopper sizes can be found in the main parameter form in combination with production capacity. The maximum discharge will become larger after wear and tear of the crushing wall and rolling wall.

PCL-series Vertical Shaft Impact Crusher

Product Introduction:

Dahongli PCL vertical shaft impact crusher is a model integrating advanced mechanism and scientific design and realizes long service life, safe and reliability, large crushing ratio, high sand making rate and high production capacity. It is mainly used in aggregate crushing and shape dressing of construction material. The products have good shape, moderate fineness modulus and low unit consumption.

1. Dilute oil circulating lubrication system: Dahongli PCL vertical shaft impact crusher uses advanced automatic circulation lubrication system. The lubrication is complete. The cooling is faster. It is safe and reliable, without the need of daily maintenance work as required by dry oil lubrication system, greatly increasing its service life and ensuring its normal operation under high temperature, high-dust and high strength conditions.
2. Perfect control system: Dahongli PCL vertical type impact crusher has protective mechanism against overload, over-current and short circuit, and can supervise the oil temperature and backflow volume. If the temperature is too high or the backflow is too small, the system will send out alarm and automatically shut down the crusher, so that it can protect the equipment and ensure safety at the same time.
3. Stone-on-stone chamber and stone self-lining (iron chamber): Dahongli PCL vertical shaft impact crusher yields products with large crushing ratio and sand making rate. It is suitable for material

crushing and construction aggregate sizing, with fine shape, moderate fineness modulus and lower equipment abrasion.

4. Other: Dahongli PCL vertical shaft impact crusher can use sand bed or crushing liner as impact wall. Its low abrasion, high productivity, large handling capacity, fine aggregate shape and double-motor (single motor)-driven power system greatly increase operational efficiency of equipment.



Working Principle:

When vertical shaft impact crusher works, aggregates are forced into the crushing chamber at a speed of 40-100m/s under action of centrifugal force. The suspended aggregates collide violently with the liner and move upward along the piling surface and then deflect downward. They crush against the aggregates spurted out by the impeller, lose energy and then discharged from the crushing chamber. Its major functions are impaction and grinding, as well as crushing.

Product Characteristics:

1. Scientific design and advanced oil circulating lubrication system

Oil lubricates the core rotating part making lubrication thorough.

Scientific cooling system ensures normal operation in constant temperature and maintains the best conditions at which the core parts are running thus prolonging its service life.

Scientific heating system ensures the equipment can reach normal working temperature in a low temperature environment.

Scientific protecting mechanism can monitor the service data such as oil temperature and oil pressure in real time.

2. Advanced working principle and high productivity (stone-on-stone principle)

Since stones collide with each other, it does not contact the inner liner, thus reducing wear and maintenance work.

Stone-on-stone working principle ensures large yield of fine aggregates.

The working principle ensures good shaping. The aggregates are cubes with little sharp products.

3. Scientific design and automatic overflow

Scientific overflow design ensures normal operation of motors with stable loads.

Automatic overflow design increases the handling capacity.

Notes of Attention:

1. Feed material should be kept under control, or it will cause damage to vulnerable parts.
2. Avoid too much small aggregate, or it will affect the result of sizing.
3. Avoid too much water content, or it will result in sticky impeller and affect normal operation of the equipment.
4. Maintain smooth discharge.
5. Uniformly feed material, so that fine aggregates and cubic products will be produced.
6. Protective device should be provided against too rigid materials before entering the crushing chamber.
7. The crushable hardness of stone may affect the sizing and fine product content.
8. There should be a balance between the preliminary sieving and closed circuit sieving.

Technical Parameters:

Model	Max Feeding size (mm)	Motor power (Kw)	Capacity (m ³ /h)	Material Hardness change	Total weight (including motor) (Kg)
PCL250	40	160	50-70 (≤5mm 30%)	1. hard material (≤5mm30%) 2. medium hard material (≤5mm45%) 3. soft material (≤5mm60%)	9700
		200	60-80 (≤5mm 30%)		10550
		250	80-100 (≤5mm 30%)		
		280	100-130 (≤5mm 30%)		
PCL320	40	2×160	90-150 (≤5mm 30%)		16500
		2×200			
PCL500	40	2×200	140-180 (≤5mm 30%)		14300
		2×250	200-250 (≤5mm 30%)		15500

6HL-series High Efficiency Vertical Shaft Impact Crusher

Working Principle:

The 6HL-series High Efficiency Vertical Shaft Impact Crusher uses the cascade feed system to introduce a second stream of material in a controlled quantity into the crushing chamber turbulence, causing a supercharging of the particle population within the chamber, thereby improving the energy transfer between the particles. The rocks that enter the crushing chamber collide violently with the

liners and move upward along the piling surface and then be crushed against the rocks spurted out by the impeller, loose energy and discharge from the crushing chamber. Cascade feed system offers external hydraulic adjustment of the cascade ratio while the crusher is operating to control the product specification and grading accurately. Adjustment can be hand operated or be fully integrated automated plant system. So it can adapt the changes of the feed specification and totally control the product quality and fines content.



Product Characteristics:

1. The 6HL hydraulic opening cover installation is convenient for enter the inner side during the machine's maintenance.
2. The 6HL series High Efficiency Vertical Shaft Impact Crusher can control the product class of the product by optimizing various variables, such as using rotors of different diameter and different cyclic crushing chambers, changing the speed of the rotor, adjusting the stream of material.
3. Due to the low maintenance request and easy operation, the 6HL can conveniently match with the already existed and planning crushing equipment.
4. Simple and easy installation. The 6HL crusher only needs little structure support; it's ideal mobile equipment.
5. By controlling the product class, it can get the maximum capacity and the minimum capacity.
6. It can produce high level cubic product.
7. It can raise the recycle rate of mineral with excellent monomer crushing characteristic.
8. Selective crushing function.
9. Several models are available for any combinations even the fourth crushing.

Technical Parameters:

Model specification		6HL8522			6HL9532		6HL1145		
Handling	Flash fin	90-140	120-190	160-250	220-340	300-460	330-510	375-580	430-660

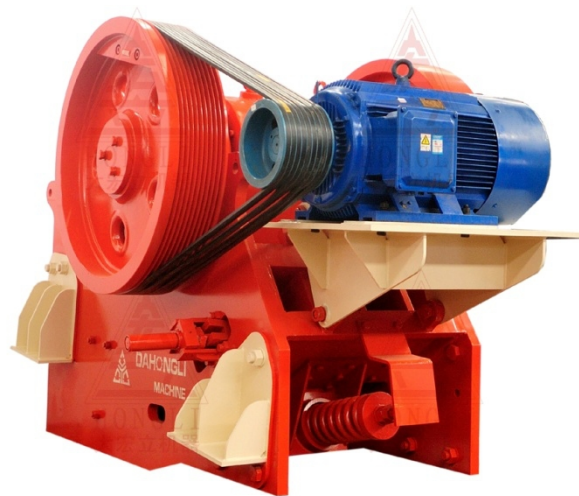
capacity (t/h)	Charge-in								
	Central Charge-in	70-120	95-155	125-205	170-270	230-350	255-395	290-450	330-510
Max. Feed capacity (mm)	Soft material	40			45		50		
	Hard material	40			40		45		
Installation power(KW)		160	200	250	2×160	2×200	2×220	2×250	2×280
Driving collocation		Single-motor			Double-motor				
Revolution speed(r/min)		1200-1800			1100-1700		1000-1500		
Whole-body weight(t)		13			16.5		19		
The output on the table will change with the variation of the operating parameters of the 6HL crusher. The output on the table is based on an average density of 1.6t/m ³ , and the feed and discharge is smooth and free of sticking and blocking.									
The central charge-in numbers in the form is calculated as bellow: lower limit=the speed of rotor line 75m/s (0% stream of material) upper limit= the speed of rotor line 60 m/s (0% stream of material) .									
The flash fin numbers in the form is calculated as bellow: lower limit=the speed of rotor line 75m/s(30% stream of material) upper limit= the speed of rotor line 60 m/s(100% stream of material) 。									

PEV-series Jaw Type Crusher

Product Characteristics:

1. Modularized non-weld structure: Improper welding can change the properties of the crushed material, affect crusher's service life, cause additional maintenance work and delay the production. New crushers use front and rear lever, individual aprons, integrated bearing seat and bolt connection. This makes the transportation of it more convenient.
2. Simple and easy installation: The crushing machine with optimal design has better stability. It uses damping cushion and retaining block to short the installation time, without the need for pre-fabricated ground bolts or built-in bolt holes.
3. Integrated installation: It is fitted with an ex-factory motor support, with the motor and the machine in one body, reducing installation space and the length of the V belt. The motor and the crusher move in synchrony thus increasing the life span of the V belt.
4. Finite element analysis: The crushing machine was designed with professional machine design software. From components modeling to mechanism analysis, and from kinetics analysis to finite element analysis, the whole process of design is controlled effectively.
5. Optimum crushing chamber: The crushing chamber with optimal design, coupled with the rational strokes, increases production capacity. All materials, whether it is cobbles, mining stones or minerals, have toothed plate to match them.
6. Easy adjustment and easy automation: The new type crusher uses wedge block as adjustment. Mechanic adjustment enables simple operation whether in operation or during shutdown. When it is

changed to hydraulic mode, automatic control can be realized without the need to increase or decrease the heavy block, or to manually tighten or loosen the spring nut. Only a touch of the button can start the adjustment as well as tightening of the moving jaw.



7. Fittings selection: A variety of parts are available for PEV series crushers, including feed hopper, flywheel protective hood, automatic lubrication system and low pressure adjusting system. These parts can considerably increase its operating efficiency and lower production costs.

8. Optimum mechanism: Mechanism analysis is used to optimize the moving jaw stroke, which is larger than that of ordinary machine and realizes higher capacity and productivity.

9. Production and processing: PEV series crushing machines use quality alloy cast steel and hot-rolled steel plate thus ensuring its service life and stability.

10. Ultra-large bearing: The model uses four bearings with identical sizes and is larger than other models of the same specification. It has longer useful life and shorter time needed to repair the moving jaw assembly, prolonging the circle of bearing replacement.

11. Hydraulic adjustment system at the discharge outlet (optional): Every type of crusher can be provided with a hydraulic adjustment system. The combination of the energy accumulator and the hydraulic cylinder can automatically adjust the discharge outlet and tighten the moving jaw. The safe and reliable hydraulic system reduces preliminary work before start-up, improving productivity and ensuring safety.

Installation Basis:

PEV series jaw type crushers can be installed in a moving crushing station. Whether it is track type or wheel type, it can be mounted in a variety of manners. PEV series jaw type crusher has many toothed plate for various purposes to meet the crushing needs under different conditions.

Technical Parameters:

Model	PEV500 *750	PEV600 *900	PEV750 *1060	PEV950 *1250	PEV1200 *1600	PEV1500 *2100
Feed opening width (mm)	750	900	1060	1250	1600	2100

Feed opening depth (mm)		500	600	750	950	1200	1500
Motor power (kw)		55-75	90	132	160	250	400
Weight (kg)		9500	12500	23700	41000	80000	140000
Product Size (mm)	Closed side discharge outlet (mm)	Production (tph)					
0-60	40	55-80					
0-75	50	70-90					
0-90	60	80-110	120-155				
0-105	70	105-130	140-180	155-200			
0-120	80	120-150	160-210	175-230			
0-135	90	130-170	180-235	200-260			
0-150	100	150-190	200-260	220-290	290-380		
0-185	125	190-260	250-325	280-365	350-455		
0-225	150	250-340	300-390	335-435	410-535	520-675	
0-260	175		350-455	390-510	470-610	595-775	760-990
0-300	200			445-580	530-690	675-880	855-1110
0-340	225				590-770	750-975	945-1230
0-375	250				650-845	825-1070	1040-1350
0-410	275					900-1170	1130-1470
0-450	300					980-1275	1225-1590

Note: The output of crusher as represented by the above data is based on an average density of 1.6 t/m³. The feed and discharge is smooth and free of sticking and blocking. There is no fed material with sizes smaller than the discharge size. In addition, the output is also related with mud and water content, loose density and crushability.

PF-series Reaction Crusher

Working Principle:

The reaction type crusher crushes the material by high-speed impact. When the material enters the hammer action area from the feed hole, it is impacted by the hammer under high speed and becomes crushed preliminarily. The strong impact force thrusts the material onto the reaction plate and shatters it for the second time. The material then springs back from the reaction plate and falls in the hammer area to repeat the process until it is shattered to a size below the discharge outlet and then is discharged by gravity.

Product Characteristics:



1. It has large crushing ratio, simple and rational structure, steady operation, simple maintenance, fast replacement and high crushing efficiency, and can be widely used in industries such as building materials, ore dressing, chemistry and electricity for crushing material with medium hardness and rigidity.
2. The optimum crushing chamber has large capacity and accommodates material size. The liners and special rotors combine to increase the productivity under various conditions of application.
3. The liner plate and the reaction plate on rotors and vulnerable parts in the chamber are all made of steel products with high content of manganese and chrome, which enhances the durability of wearing parts (hammer, aprons etc.) and the reliability of the mechanic components (main shaft, bearings).
4. Easy maintenance. It can be provided with a hydraulic covering to facilitate replacement of wearing parts.

Technical Parameters:

Model	Max linear speed(m/s)	Moter power (Kw)	Capacity (T/H)	Feed size (mm)	Rated motor power(Kw)	Main body weight (not including the motor)(Kg)
PF1214	44	132-160	80-180	< 200	132	15000
PF1315	45	160-200	100-200	< 300	200	20200
PF1315 II	48	200-250	130-320	< 400	250	20600
		2×200				
PF1520	49	2×250	390-700	< 700	2×250	32000
		2×315				
PF2023	44	2×500	850-1700	< 1500	2×500	90000
		2×600				

YK-series Vibration Grading Sieve

Working Principle:

When the vibration grading sieve moves, the motor drives the eccentric exciter via the triangular belt thereby making the sieve bed move reciprocally in an asymmetric manner. As the material layer on the sieving surface becomes loose, finer aggregates fall down through the layers and separate through the sieve hole, shaking out the material that stick in the sieve. At the same time, finer aggregate moves downward and discharge through the sieve holes.



Product Characteristics:

1. The frame, corridor and protective rails with optimal design are simple in structure and highly durable. The special bolt securing design makes it easy to dissemble, assemble and transport it.
2. The sifting bed is connected all by bolts to avoid welding stress. The cross beam is designed by finite element analysis and can reduce the whole load while ensuring its strength.
3. Simple type or seat type eccentric vibration exciter is used to achieve advanced structure and strong excitation force. Two seat type exciters are added to the rotor bearing responsible for adjusting the core to lengthen the operating life. Special eccentric belt pulley prevents the V belt from jolting with the sifting bed.
4. The electric circuit is inverter brake or power brake connected. The vibrating sieve can turn off the machine safely and steadily, letting the sieve bed skip the sympathetic vibration area quickly and increases its service life.

Technical Parameters:

Model	Sitting size		Number of layers	Motor power(Kw)	Capacity (T/H)	Max. feed size(mm)	Tilt angle (°)	Weight (Kg)
	Width (m)	Length (m)						
YK1550	1.5	5	2	15	70-170	150	20	3800
			3	15	70-160			4900

YK1860	1.8	6	2	22	100-220			4900
			3	22	100-210			6300
YK1860 II	1.8	6	2	22	100-220			6200
			3	30	100-210			8300
YK2170 II	2.1	7	2	30	130-330			7700
			3	2×18.5	130-300			12200
YK2570 II	2.5	7	2	2×15	160-450			9300
			3	2×18.5	160-400			12850
ZYK1850	1.8	5	3	30	110-300			9670

ZD Series- Equal Thickness Grading Sieve

Product Introduction:

The product is linear motion Equal Thickness Grading Sieve. This product is characterized by reasonable structure, powerful excitation force, lower vibration noise, high efficiency in sieving and handling capability, easy to maintain and long service life. It's widely used in quarries, mines, building materials, electric power, coal and chemical sectors.



Working principle:

The operation of linear motion Equal Thickness Grading Sieve is the motor pass through the elastic coupling drives the eccentric exciter, as the material layer on the sieving surface becomes loose, finer aggregates fall down through the layers and separate through the sieve hole, shaking out the material that stick in the sieve. At the same time finer aggregate moves downward and discharge through the sieve holes. The material moves forward to achieve discharge.

Product characteristics:

1. The sieving surface consists of multi-section angle. The material at the feed end flows quickly and at the discharge end flows slowly. The material at the feed end become to be layered rapidly, the rough aggregates going up and the fine aggregates going down. The screening efficiency is 1.5-2 times than ordinary sieve. The vibration sieve of this structure is especially suitable for handling the material that with high content of required material.
2. The machine is optimizing designed by finite element analysis, ensuring the strength of it and making the load as low as possible. At the same time, by abating the beam stress, it will connected with the high strength bolt which is good at self-locking and stability at the lateral panel. It can avoid the additional load caused by welding stress efficiently, and enhance the fatigue life of the machine.
3. The exciter uses the dilute oil circulating lubrication system. The drain plug is magnetic. It's also very convenient to adjust the clump weight.
4. The electric circuit is inverter brake connected. The vibrating sieve can turn off the machine safely and steadily, letting the sieve bed skip the sympathetic vibration area quickly and increases its service life.
5. The lateral panel of the sieve bed is cut and drilled completely by high precision CNC cutting machine, to ensure the accuracy of the shape and the drill hole.
6. The lateral panel has no weld, extremely avoiding the cracking of lateral panel.
7. The flitch and angle stiffener are installed at the area of the lateral panel that bears larger stress, in order to effectively increase the strength of the lateral panel. All joints of the sieve bed are connected with the high strength steel structured bolts in order to avoid the stress caused by the welding.
8. Maximizing the use of screen mesh area and the number of available pore.
9. With the polyurethane screen mesh, the machine has the advantages of light weight, long service life and easy replacement.
10. The screen mesh has two kinds of structure, inlaid type (module type) and platen type. We can choose the most suitable sieve plates according to different materials and working conditions.
11. The beam is seamless hollow square tube with high stiffness and light weight. Beam design fully reserved adequate factor of safety to adapt unpredictable rugged environment. Rubber plate is installed on the sieve beam by sticking buckle structure, high sourproof and wearproof, convenient and simple to replace.
12. Each machine is equipped with two or more exciters. The exciting force can be adjusted according to the material's size, to ensure the material on the sieve bed can fully contact with the sieve, and to reduce the possibility of the screen blinding.
13. The gear transmission exciter makes the service life longer and dilute oil lubrication system will make the temperature lower.
14. Special famous imported bearings for vibration sieve are used, and the lubricating system is splash lubrication.

15. The frame is convenient for transportation with bolt fixing structure. It is only need to fix all parts up while using it.

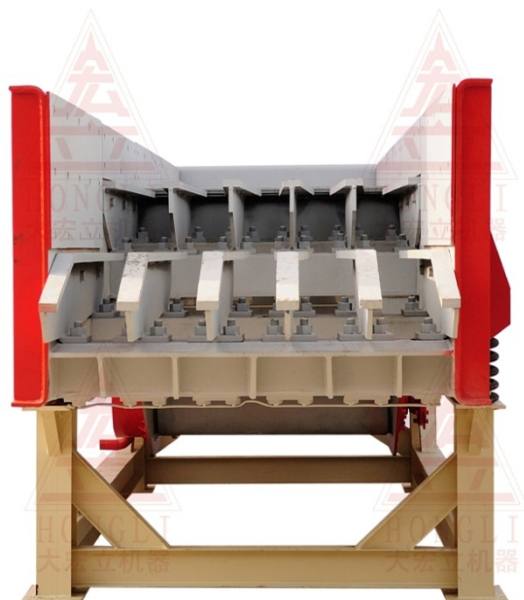
Technical Parameters:

Model	Sitting size		Number of layers	Motor Power (KW)	Weight (KG)	Capacity (T/H)	Max. upper feed size (mm)	Max. upper sieve hole size(mm)
	Width (M)	Length (M)						
1ZD3061	3	6.1	1	45	14000	3200	200	150
2ZD3061	3	6.1	2	75	20000	3200	200	150
1ZD3661	3.6	6.1	1	75	17000	3700	200	150
2ZD3661	3.6	6.1	2	90	24000	3700	200	150
1ZD4273	4.2	7.3	1	75	21000	4400	200	150
2ZD4273	4.2	7.3	2	110	35000	4400	200	150

ZSW-series Vibration Feeding Machine

Working Principle:

ZSW series vibration feeding machine consists of the trough, the exciter, the spring support and the transmission gear. The vibration feeding is actuated by the exciter, which is made of two eccentric shaft (main shaft and auxiliary shaft) and gear par. The motor drives the main shaft whose gear engages with the auxiliary shaft to produce rotation. The main shaft and auxiliary shaft rotate inversely. The trough vibrates to make material flow constantly and enables uniform feeding and coarse grade sieving.



Product Characteristics:

The machine has stable vibration, reliable operation and long service life. It can adjust the excitation force and change and control its current at any time. The adjustment is convenient and stable. Vibration feeding machine uses inertial exciter to produce driving force with low noise, low power consumption, good regulation without stamping. It is simple, reliable, and easy to install and maintain.

Technical Parameters:

Model	Max. feed size(mm)	Capacity (T/H)	Motor Power(Kw)	Sizes of feeding trough(mm)	Weight (Kg)
ZSW9538	570	96-160	18.5	3800×950	4082
ZSW1142	660	120-280	22	4200×1100	5320
ZSW1360	780	280-500	45	6000×1300	10058
ZSW1550	900	500-800	75	5000×1500	13450
ZSW2060	1200	800-1500	90	6000×2000	21014

ZZG-series Vibration Feeding Machine

Production Introduction:

In the production process , vibration feeding machine can put the massive, granular material into the feeding device from the storage bin evenly , periodic and continuously .it can feeding evenly for the crushing equipment in the sand & stone production line , it's widely used for crushing and sieving combined equipment in the field of metallurgy ,coal mine ,building materials ,chemical industry , abrasive and so on .



Product Characteristics:

The vibration feeding machine has stable vibration , reliable operation and long service life , it's simple , reliable , and easy to install and maintain . It can adjust the vibration motor speed by controlling the electric control cabinet set and adjust excitation force by the angle of the eccentric block in the motor thus to adjust the feeding machine's distance of vibration amplitude (when the

motor leave the factory, the vibration amplitude just in the maximum position) , pay attention that during the regulation please ensure the angle graduate of the both ends of the motor be equal and inclines to the same side of the motor . Vibration feeding machine uses vibration electric machine to produce vibration with low noise , low power consumption , good regulation without stamping .

Technical Parameters:

Model	Specification		Max. feeding size(mm)	Capacity (T/H)	Weight(excluding the motor)(KG)	Motor power (KW)
	Width(mm)	Length(mm)				
ZZG0915	900	1500	260	150-300	968	2×1.1
ZZG2020	2000	2000	400	500-800	2500	2×3.7

LX-series Spiral Sand Washing Machine

Working Principle:

Different particles in fluids have different sedimentation speed. Fine particles with small density are slow in sedimentation, while large particles with large density have fast sedimentation. The spiral sand washing machine separates dust and foreign matters from sand using this principle. Meanwhile, uniform stirring of the spiral impeller serves to purify the fluid and improves the conveyance.



Product Characteristics:

The spiral sand washing machine features long spiral impeller, seal design, simple structure, large handling capacity, easy maintenance and parts replacement, low water content and mud content of products. It can be widely applied in mining industry.

Technical Parameters:

Model	Spiral Diameter (mm)	Spiral rotational speed(r/min)	Motor power (kw)	Capacity (T/H)	Tilt angle (°)	Weight (Kg)
LX1200	1200	6	7.5	40-120	20	4350

		8				
		12				
LX1500	1500	6	11	50-150	20	6720
		8				
		12				
2LX1200	1200	6	2×7.5	100-260	20	6350
		8				
		12				

TDY-series Belt Conveyor

Working Principle:

Belt conveyor is a common means of transport used in mining enterprises. It uses the belt conveyance to draw and support components and transport materials by way of the moving belt. It utilizes the inner friction and side pressure of loose material to increase the internal pressure from the pulling force in its moving direction produced by the rolling chamber in the adhesive chamber, thus increasing the internal friction. When inclination falls within certain scope, the inward friction force can ensure the stability between layers and create continuous movement. When the internal friction force between the layers is larger than the external force of the adhesive, the roller beneath the adhesive will move along with the material. When the ratio of internal force and external force meets a condition, the material flow is stable.



Product Characteristics:

1. Simple structure and flexible arrangement
2. Large transportation and high safety
3. Stable operation and low consumption.

Technical Parameters:

Model	Installation length(m)	Driving Power (Kw)	Speed of the Conveyor belt(m/s)	Width of the conveyor belt(mm)	Tilt angle (°)	Diameter of the driving cylinder(mm)	Diameter of the carrier roller(mm)	Conveying Capacity (T/H)
TDY650	7-10	4	1.23-1.85	650	0-18	Φ320×720	Φ89×190 Φ89×240	60-120
	11-15	5.5						
	16-20	7.5						
	21-25	11						
	26-30	15						
TDY800	7-10	5.5	1.91-2.1	800	0-18	Φ475×975	Φ89×300 Φ89×240	100-200
	11-15	7.5						
	16-20	11						
	21-25	15						
	26-30	18.5						
TDY1000	7-10	7.5	1.67-2.0	1000	0-18	Φ655×1150	Φ108×380	260-350
	11-15	11						
	16-20	15						
	21-25	18.5						
	26-30	22						
	31-35	30						
	36-40	37						
TDY1200	7-10	11	1.63-2.0	1200	0-18	Φ800×1380	Φ108×465	420-800
	11-15	15						
	16-20	18.5						
	21-25	22						
	26-30	30						
	31-35	37						
	36-40	45-55						
TDY1400	7-10	15	1.67-2.0	1400	0-18	Φ800×1580	Φ133×530	560-1000
	11-15	18.5						
	16-20	22						
	21-25	30						
	26-30	37						
	31-35	45						
	36-40	55-75						

Note:

1. TDY series conveyors' working temperatures range from $-25\sim+45$ degree Celsius with elevation ≤ 3000 meters. (When the ambient temperature is lower than $+5^{\circ}$ or the temperature difference between day and night is too high, the belt should be substituted for with cold-resistance belt and the oil for reduction box should be changed to cold-resistance lubricating oil.)

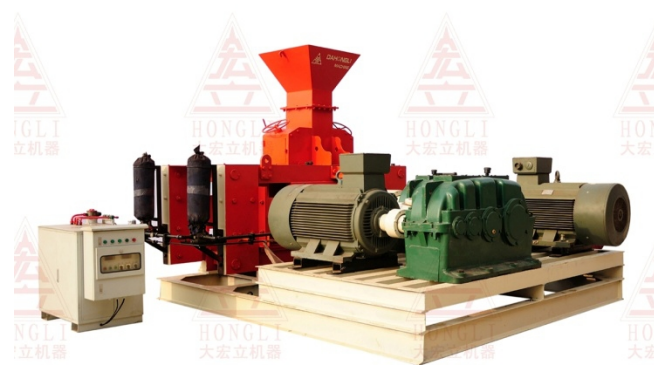
2. The transported amount in the form is calculated when the material density is $1.0\text{ t/m}^3\sim 1.6\text{ t/m}^3$, the installation inclination of the conveyor is $\leq 18^{\circ}$ and the angle of move is 30° .

High Pressure Roller Mill

Product Introduction:

High pressure roller grinding machine has simple structure and reliable performance. Its high pressure can grind material to fine, superfine products with the fineness modulus under control. Our company specially considered the needs for shattering rigid material in design, so the grinding machine has higher crushing capacity compared with other high pressure roller grinding machines. It is applicable to crushing material with medium and high hardness and pressure strength of lower than 250Mpa and humidity of lower than 10% , such as cobbles, coke, coal, ceramics, quartz, limestone, muddy shale, chalkstone, gypsum, edible salt and chemical material. This machine is characterized by low maintenance cost, large crushing ratio, reliable performance, small vibration, and less dust and low noise.

High pressure roller grinding machine can be used to moderately crush single-component material with high or medium density, like ore, rock and industrial slag in a wide variety of fields, such as ore dressing, electricity, chemical industry, cement, fire retardant material, grinding material and construction. In particular, it can be used to produce melon stone, coal and coal gangue in building material and electricity industry with better results than normal high pressure roller grinder. It can also be used for crushing steel grit.



Working Principle:

The roller crushing machine has two rollers rotating in the opposite position. Brittle material is sent to a weighing hopper with weighting sensor by a transference mechanism and passes through the feeding mechanism until it enters into a place between two rollers of the same sizes standing in the opposite position. The side of the roller draws the material into the roller crevice with high pressure in between, which compresses the material into compact cake-like product that drops down. The

product is then moved out at the hopper by the transference mechanism, and will be separated or ground in the following process.

Product Characteristics:

1. The hydraulic system makes it easy to adjust the roller crevice while protecting the machine.
2. The roller and its surface are fitted with hard alloy studs that increase its service life by 2000-20000 hours.

Technical Parameters:

Model	Motor power(Kw)	Feed size (mm)	Discharge fineness (mm)<5mm	Throughput (m ³ /H)	Power supply voltage
DHLG75×20	2×(55-75)	30	50-70%	25-40	380V
DHLG75×27	2×(90-132)	30	50-70%	45-60	380V
DHLG75×50	2×(160-200)	30	50-70%	80-110	380V
DHLG140×40	2×(250-280)	40	50-70%	75-100	380V
DHLG140×65	2×500	40	50-70%	145-200	6KV-10KV
DHLG140×80	2×560	40	50-70%	170-225	6KV-10KV
DHLG170×100	2×800	50	50-70%	240-315	6KV-10KV
DHLG200×120	2×1600	60	50-70%	525-950	6KV-10KV

Sand making process

Technology characteristics:

This technique is designed for sand making production line. The design production capacity is 50-500t/h. Advanced PYY single-cylinder hydraulic cone machine is used for secondary crushing. PCL vertical shaft impact crusher is used for sand sizing and making, specifically designed for production of artificial sand; it is characterized by good sizing, high sand making ratio, low operational cost and rational graduation. It has been successfully applied in crushing of a lot of raw materials, such as granite, basalt, cobbles, bauxite, cement clinker, quartz, emery, ores and iron ores, and the products meet the national standard of Sand Used in Construction. It finds application in many projects such as water conservancy, bridge engineering, high-grade highways and high-rise buildings.

Stone making production line

Technology characteristics:

This technique is designed for stone making production line. With large crushing ratio, high productivity, high handling capacity, uniform fineness, good sizing shape, convenient maintenance, small losses, and long service life, it has been successfully applied in crushing and processing of limestone, basalt, granite and cobbles. Crushed aggregates fully meet the national standard of Cobbles and Gravels Used in Construction, and used in such areas as high grade highways, railways, water conservancy and concrete mixing station.

Accessories Service:

The company upholds a business philosophy of "creating benefits for customers" and sticks to the principle of "service first". With professional, fast, and premium service, it offers comprehensive service services for sand making and components around the clock.

Dahongli Anywhere:

Thanks to our good quality and post sale service, we have spread our Dahongli Machinery to all over the world



More questions: If you still have any questions, please feel free to contact with us.

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