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Provide Customers With  
Cost-effective  
Mining Machine Products



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**Namibia 2024**

MPZ800 Fine Crusher King Enters  
the Fortune 500 Metal Mines,  
Assisting Production Line Upgrades.



# ABOUT US



Fujian Derui Industrial Technology Group Co.,Ltd.(hereinafter referred to as Derui Group)entered the crushing and screening field in 2005.It is a national high-tech enterprise,a provincial specialized and innovative enterprise,a leading small giant in science and technology in Fujian Province,and an innovative enterprise in Fujian Province.It is a global leader in the manufacturing of large complete crushing and screening equipment.The business areas include sand and gravel aggregates,mineral crushing,solid waste treatment,green mining,and industrial grinding. Derui Group always adheres to the product concept of 'high-end,complete,intelligent,and green',providing global customers with high-end,intelligent,complete crushing and screening equipment and integrated EPC solutions for green intelligent mines.

**20+**

Focusing on the R&D and manufacturing of mining crushing and screening equipment for over 20 years

**100000\***

Possessing two major production bases with over 100,000 square meters of intelligent integrated factories

**80**

Products are sold to over 80 countries and regions worldwide

**1000\***

Providing comprehensive solutions for over 1,000 large mining projects worldwide

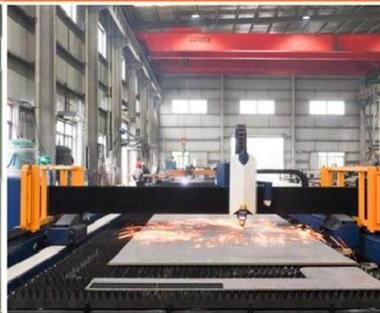


Derui Group Headquarters Manufacturing Base

Derui Group Second Manufacturing Base

# Becoming The Quality Benchmark In The Global Mining Machinery Manufacturing Field

Derui Group owns more than 150 sets of advanced large processing equipment and over 50 invention patents, creating a modern and intelligent manufacturing system with world-class standards based on international standards.



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# DC Series High-Performance Jaw Crusher



### Product Introduction

DC Series High-Performance Jaw Crusher is used for coarse and medium crushing operations. This machine integrates the world's top crushing technology and manufacturing processes, featuring unique advantages in structural design, working performance, service life, and equipment maintenance, making it the preferred choice for efficient crushing of hard and highly corrosive materials. Currently, the DC series high-performance jaw crusher has become one of the most favored jaw crushers in fields such as highways, railways, airport runways, mining, building materials, metallurgy, and chemical engineering.

### Technical Parameters

Model	DC80	DC96	DC106	DC110	DC120	DC125	DC140	DC150	DC160	DC200
Width of Feed opening (mm)	800	930	1060	1100	1200	1250	1400	1400	1600	2000
Length of Feed opening (mm)	510	580	700	850	870	950	1070	1200	1200	1500
Motor power (KW)	75	90	110	132	160	160	200	220	250	400
Rotational Speed (rpm)	350	330	280	230	230	220	220	220	220	200
Basic Crusher weight (t)	7.67	9.759	14.35	25.8	26	37.97	48.25	51.2	76.5(71.3)	121.51
Gross Crusher weight (t) with options (t)	9.52	11.87	17.05	29.5	29.3	43.91	55.6	61.43	88.5(83.3)	137.16

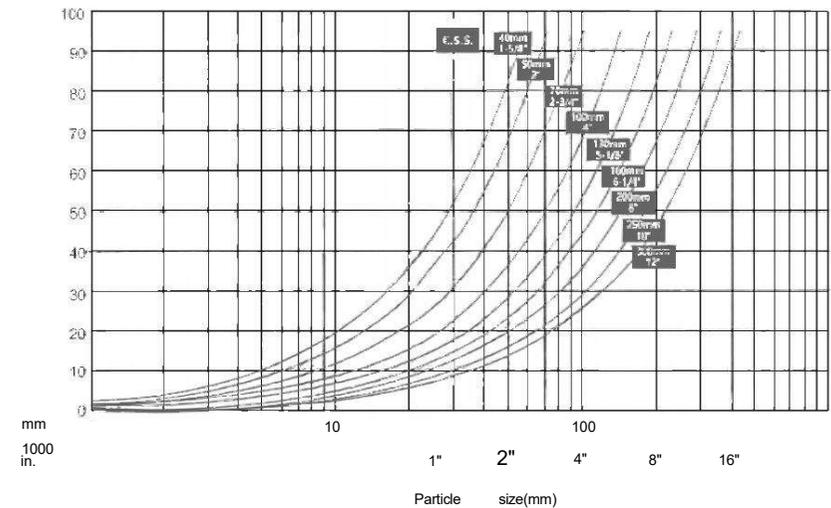
Product size (mm)	Close Side Setting (mm)	(t/h)	(t/h)								
0-60	40	65-85									
0-75	50	80-95									
0-90	60	95-125	120-155								
0-105	70	115-150	140-180	155-200	190-250	190-250					
0-120	80	130-170	160-210	175-230	210-275	210-275					
0-135	90	150-195	180-235	200-260	235-305	235-305					
0-150	100	165-215	200-260	220-290	255-330	255-330	290-380				
0-185	125	210-275	250-325	280-365	310-405	310-405	350-455	385-500	385-500		
0-225	150	250-325	300-390	335-435	370-480	370-480	410-535	455-590	455-590	520-575	
0-260	175	290-380	350-455	390-510	425-550	425-550	470-610	520-675	520-675	595-775	760-990
0-300	200				480-625	480-625	530-690	590-765	590-765	675-880	855-1110
0-340	225						590-770	655-850	655-850	750-975	945-1230
0-375	250						650-845	725-945	725-945	825-1070	1040-1350
0-410	275									900-1170	1130-1470
0-450	300									980-1275	1225-1590

### Product Advantages

- It adopts the currently most popular V-shaped crushing chamber.
- It uses a new type of tooth-shaped jaw die to increase output and extend the maintenance cycle of wear parts.
- The integral cast steel bearing housing can fully match with the frame, while greatly enhancing the radial strength of the bearing housing and reducing the maintenance costs of the equipment.
- A more reasonable design of dynamic parameters results in a larger effective stroke at the bottom of the crushing chamber.
- Higher safety and reliability



### Product Particle Size Distribution Curve



# PX Series Gyrotory Crusher



## Product Introduction

The gyrotory crusher integrates mechanical,hydraulic pressure,electrical,automation,and intelligent control technologies,making it an ideal choice for coarse crushing of hard materials in medium to large mines and industrial fields.

Compared to jaw crushers,it has significant advantages such as uniform product particle size,low wear on the crushing wall,high operational efficiency,and large processing capacity.With a direct feed design,it eliminates the need for raw material bins and feeding machines,simplifying the process flow and reducing infrastructure investment.

As a high-end coarse crushing equipment,the gyrotory crusher provides users with intelligent and ultra-large capacity coarse crushing solutions,helping mines achieve efficient,stable,and intensive operations.

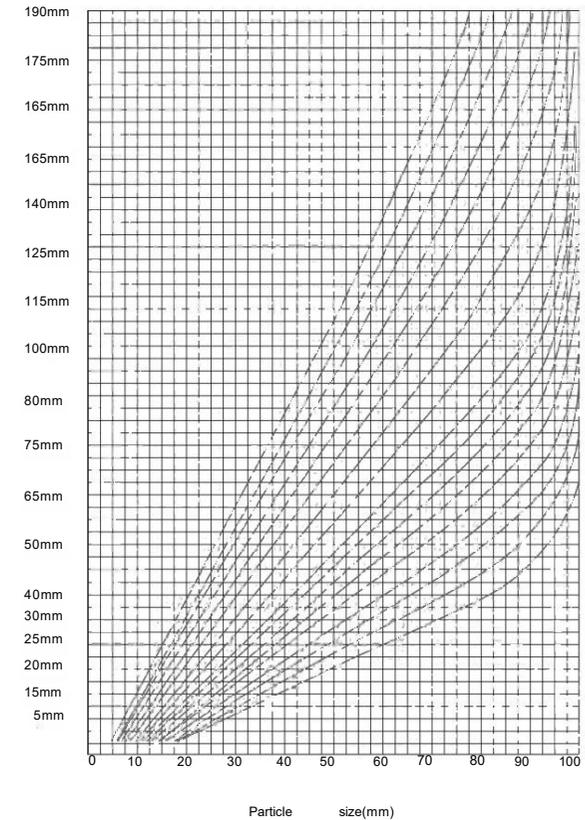
## Product Advantages

- Intelligent and Efficient
- High yield and low power consumption
- Low-cost maintenance
- Direct feed design
- Reasonable design to meet diverse needs
- Simple and Easy to Operate

## Technical Parameters

Model	Feed opening (mm)	Maximum feed (mm)	Discharge opening	Processing capacity (t/h)	Motor power (kw)	Weight of equipment (t)	External dimensions (mm)
PX4265	1065	900	140-175	2015-2875	400	120	3940×4170×6900
PX5065	1270	1050	150-175	2400-2940	450	153	4460×4430×7610
PX5475	1370	1150	150-200	2890-3490	560	242	4930×4925×8410
PX6089	1525	1300	165-230	4200-5810	710	365	5590×5445×10470
PX60110	1525	1400	175-250	560-8900	1200	553	6197×5486×11382

## Product Particle Size Distribution Curve



# DH/DS Series Single Cylinder Hydraulic Cone Crusher



## Product Advantages

- High production efficiency and excellent product particle shape: The perfect combination of the crushing stroke, crushing speed, and the laminated crushing principle in the crushing cavity greatly improves production capacity and work efficiency. With the same diameter at the large end of the moving cone, the output can be increased by about 35%-60%.
- Constant discharge opening and constant output liner design: By improving the design of the crushing cavity and the constant output liner design, constant discharge opening control is achieved, ensuring product particle size while increasing the liner service life by 20%.
- Automatic adjustment of the discharge opening and automatic cavity cleaning function: The fully automatic control system offers various control modes to choose from, continuously detecting the actual load inside the crusher to improve crushing efficiency.
- Intelligent control, accurate and convenient: The fully automatic control system provides multiple operating modes for users to choose from, continuously monitoring the actual load inside the equipment and displaying various operating parameters in real time. For example, when the liner wears to the replacement period and can no longer be used, the control panel automatically displays and alarms.

## Product Introduction

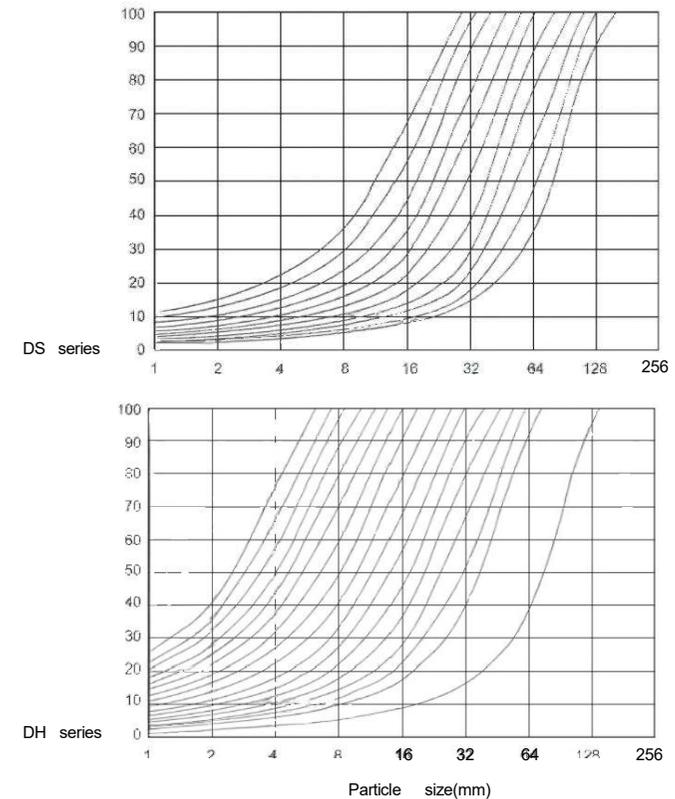
The single-cylinder hydraulic cone crusher is suitable for the crushing of raw materials in industries such as metallurgy, construction, road building, chemicals, and silicates. It can crush various ores and rocks of medium and above medium hardness. The single-cylinder hydraulic cone crusher has a large crushing ratio, high efficiency, low energy consumption, and uniform product particle size, making it suitable for medium and fine crushing of various ores and rocks.



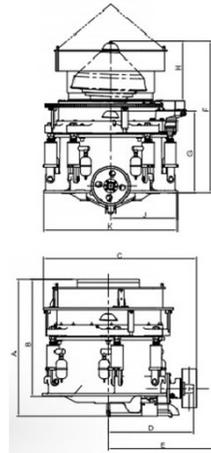
## Technical Parameters

Model	Processing capacity		Closed side setting cSS( mm )	Maximum installed power (kw)	Crusher weight (t)
DH420	34-128	130	4-32	90	5.3
DH430	80-243	200	10-35	132	9.2
DH440	210-435	215	16-48	220	14.3
DH660	300-700	275	16-51	315	28
DH870	450-1500	300	22-70	560	62
DH890	268-2595	370	16-70	750	78.1
DS420	64-168	240	16-32	90	6.8
DS430	99-344	360	19-44	132	12
DS440	195-601	400	25-48	220	19.3
DS660	400-1050	450	38-83	315-355	40.5
DS870	1000-1500	500	60-120	560-630	85

## Product Particle Size Distribution Curve



# HPY Series Multi-Cylinder Hydraulic Cone Crusher



## Product Introduction

The HPY Series Multi-Cylinder Hydraulic Cone Crusher is a globally leading new generation high-efficiency cone crusher developed by Derui Group over many years. It combines modern material technology and computer technology, adopting an internationally advanced fixed main shaft design that perfectly integrates rotation speed, stroke, and crushing chamber, resulting in high crushing efficiency and a high degree of automation. More importantly, it addresses common concerns regarding output, product particle shape, particle size distribution, production maintenance costs, and applicability, making it the best choice for medium, fine, and ultra-fine crushing operations.

## Product Advantages

- The equipment features a high-strength integral cast frame, ensuring long service life and high reliability.
- The hydraulic motor adjusts the discharge opening, allowing for remote, accurate, and continuous adjustment of the discharge size, making it convenient and efficient.
- The crushing chamber adopts a high-efficiency lamination crushing principle, which improves crushing efficiency, reduces wear on vulnerable parts, and produces multi-angular materials with a high fine particle content.
- The assembly surfaces of the crushing wall and the rolling wall are specially designed and precisely processed, making installation convenient and quick, with low replacement costs.
- The adjustment sleeve locking uses multiple built-in small hydraulic cylinders for locking, providing uniform force and reliable locking.
- The equipment employs labyrinth and spherical floating seals for multiple protections, ensuring more reliable sealing and good dust prevention.
- The equipment features hydraulic insurance and cavity cleaning functions, making it safe, reliable, and more time-saving and labor-saving.
- The drive system uses spiral bevel gear transmission, which has strong load capacity, smooth transmission, and low noise.
- An automated intelligent control system and an integrated hydraulic lubrication system are adopted.

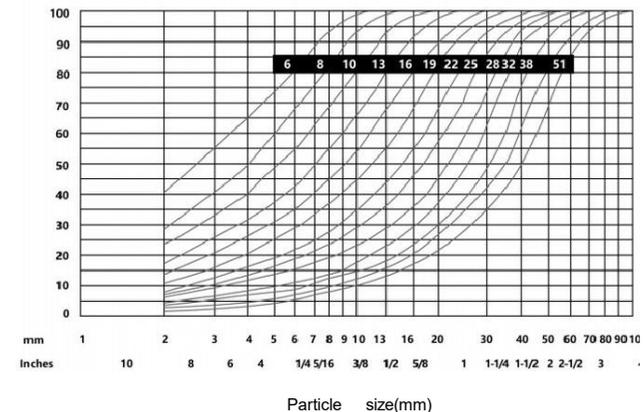
## Technical Parameters

Dimensions (mm)	HPY200	HPY300	HPY400	HPY500	HPY800
A	1927	2182	2295	2977	4057
B	1630	1991	2055	2580	3335
C	2135	2726	2775	3447	3975
D	1160	1382	1645	1755	2225
E	1840	2232	2470	2595	3450
F	1810	2491	2530	2970	3255
G	950	1095	1210	1385	1673
H	832	965	1085	1281	1532
J	875	975	1185	1415	1750
K	1750	1950	2370	2830	3500

Model	HPY200	HPY300	HPY400	HPY500	HPY800
Maximum feed size (mm)	185	241	304	351	353
Closed side setting discharge port (mm)	10~38	10~45	10~51	10~51	10~51
Processing capacity (th)	90~250	110~440	135~630	220~790	310~1200
Crusher weight (t)	10.4	15.81	29	33.15	68.65

Model	Cavity type	Minimum Closedside setting (mm)	Feed opening (mm)	Installed power (kw)
HPY200	C (coarse)	19	185	132
	M (medium)	16	125	
	F (fine)	13	95	
HPY300	C (coarse)	19	210	220
	M (medium)	16	150	
	F (fine)	13	105	
HPY400	C (coarse)	25	251	315
	M (medium)	20	196	
	F (fine)	13	110	
HPY500	C (coarse)	30	290	355
	M (medium)	22	210	
	F (fine)	16	135	
HPY800	C (coarse)	32	299	600
	M (medium)	25	265	
	F (fine)	16	220	

## Product Particle Size Distribution Curve



# MPZ Series Heavy Multi-Cylinder Hydraulic Cone Crusher

## Product Introduction

The MPZ series heavy-duty multi-cylinder hydraulic cone crusher is a new generation of high-performance crushing equipment, specifically designed for high-demand crushing conditions, widely used in the fine crushing stage of metal mines, and can also meet the stringent requirements of high-end sand and gravel aggregate production lines. Compared to similar models, the MPZ series has made breakthroughs in power utilization and structural optimization, achieving an output increase of 80%-100%. Its innovative features, including a rotatable cone, automatic iron release function, and large non-blocking feed inlet, significantly enhance equipment stability and adaptability to working conditions, ensuring excellent product particle shape and uniform gradation. With outstanding production efficiency, operational stability, and convenient maintenance characteristics, the MPZ series has become the preferred choice for large mining customers seeking long-term efficient and low-consumption operations.



## Product Advantages

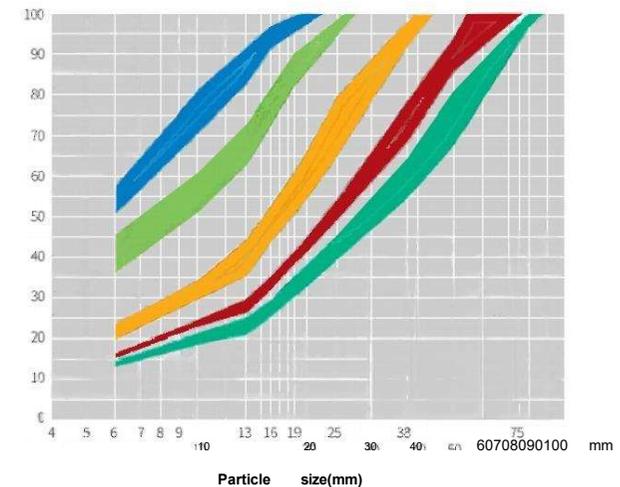
- High production capacity: The MPZ series heavy-duty multi-cylinder hydraulic cone crusher adopts a fixed high-strength forged alloy main shaft, combined with a unique crushing chamber and stroke design; compared to similar equipment, the MPZ can achieve higher output at the same discharge particle size, or finer discharge product particle size at the same output.
- High stability: The emergence of the MPZ is attributed to Derui's years of production technology and material application experience accumulation, combining unique structural design and high-standard material application, which improves and optimizes the basic structure of the equipment. At the same time, the application of automatic functions such as iron protection and automatic cavity cleaning greatly enhances the equipment's service life and production stability.
- Wide Scope of Application: The MPZ has various combinations of rotation speeds and crushing chambers to meet various production needs. Its large, non-blocking feed opening has a high axial point, ensuring effective opening degree of the feed port to meet various feeding particle size requirements.
- High production efficiency: The rotating fixed cone of MPZ can compensate for feed segregation or uneven feeding. And allow the crusher to operate under conditions of full feed. Hydraulic motor and gear drive adjustment ensure easy adjustment of the discharge opening under load conditions to compensate for liner wear without stopping the feed, guaranteeing production efficiency.
- High startup rate: Fully automated hydraulic iron release allows uncrushable materials to pass through the crushing chamber immediately, and the large vertical eccentric distance ensures smooth material discharge; MPZ also features an automatic chamber cleaning function, ensuring uptime while extending the liner's service life.
- Intelligent Control: MPZ adopts a PLC intelligent control system, which, in addition to automation functions, allows for remote control adjustments via the control system. Equipped with a new type of "crushing force" sensor to provide indications for safe operation.
- Maintenance Convenience: MPZ features a button-type disassembly maintenance characteristic, allowing for easy replacement of modular components. Using high wear-resistant bronze bushings ensures superior load capacity, and the fixed cone liner "module" maintains system application, making liner replacement more convenient and effective.

## Technical Parameters

Model	Cavity type	Closed feed opening (mm)	Opening feed opening (mm)	Closed side setting dimension (mm)	Motor power	Weight of equipment (t)
MPZ800	Shorthead Fine	40	91	6	630	120.57
	Shorthead Medium	68	117	6		
	Shorthead Coarse	113	162	12		
	Standard Extra Fine	144	193	19		
	Standard Fine	241	282	19		
	Standard Medium	308	347	25		
MPZ1000	Shorthead Fine	64	128	8	750kw	153.134
	Shorthead Medium	104	169	10		
	Shorthead Coarse	140	203	10		
	Standard Extra Fine	241	295	22		
	Standard Fine	242	300	25		
	Standard Medium	343	390	32		
MPZ1250	Shorthead Fine	64	128	8	930kw	153.985
	Shorthead Medium	104	169	10		
	Shorthead Coarse	140	203	10		
	Standard Extra Fine	241	295	22		
	Standard Fine	242	300	25		
	Standard Medium	343	390	32		
	Standard Coarse	360	414	38		

Model	Processing capacity (t/h)					
	Closed side setting cSS					
	63mm	50mm	38mm	25mm	19mm	13mm
MPZ800	1750-2190	1460-1935	100-1400	735-980	575-720	495-585
MPZ1000	2130-2920	1830-2420	1375-1750	915-1210	720-900	615-730
MPZ1250	2660-3645	2290-3025	1720-2190	1145-1510	900-1125	770-915

## Product Particle Size Distribution Curve



# In the field of fine crushing, who can compete?

MPZ800 Fine Crusher King Heavy Mult-Cylinder Hydraulic Cone Crusher



Born for efficient and intelligent mining

Crushing Equipment

WE MASTER HARD ROCK CRUSHING



## NP Series Impact Crusher



### Product Introduction

The impact crusher is an efficient and energy-saving crushing equipment. Its characteristics include fully utilizing the energy of the entire rotor during the crushing operation, relying on the high-speed rotation of the hammer to strike and project materials, repeatedly colliding with the impact plate, and also involving collisions between materials to achieve multiple impacts and crushing, thus resulting in a large crushing ratio and selective crushing effect. Its products are mostly cubic with uniform particle size. Widely used in industries such as building materials, chemicals, coal, and coke for crushing limestone, dolomite, shale, sandstone, coal, and asbestos rock.

### Product Advantages

- Large crushing ratio
- High yield
- Durable and reliable with low maintenance costs
- Multiple crushing chamber shapes, uniform product particle size, good particle shape

## NP Series Impact Crusher

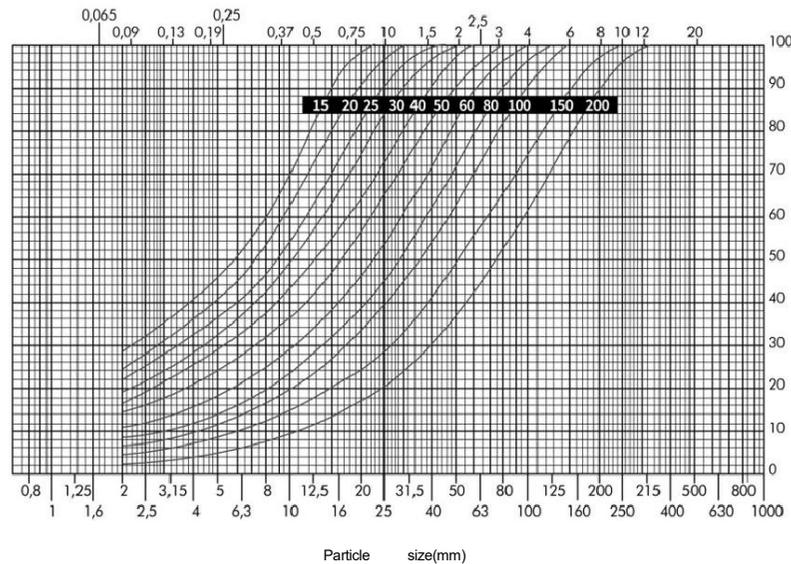
### Technical Parameters

Model	Feed opening size (mm#mm)	Maximum feed size (mm)	Motor power (kw)	Weight of equipment (t)	External dimensions (mm)
NP1213	1320×897	600	200/250	12.78	3170×2529×3145
NP1315	1540×930	600	250/315	16.13	3265×2750×3395
NP1415	1540×1320	1000	250/355	21.815	3395×2790×4000
NP1520	2040×995	700	400 (2×200) / 500 (2×250)	27.1	3818×3400×3950
NP1620	2040×1634	1300	400 (2×200) 500 (2×250)	40.5	3935×3600×4950
NP2023	2310×1986	1500	1000 (2×500) / 1300 (2×650)	74.23	5731×4424×6000

Processing capacity					
Model	Maximum feed size 800mm		Maximum feed size 600mm		
	Discharge size 200mm	Discharge size 100mm	Discharge size 200mm	Discharge size 100mm	
Main range	NP1415	560 mtp	365mtp	600 mtp	400 mtp
	NP1620	870 mtp	570 mtp	930 mtp	620 mtp
	NP2023	1780 mtp	1160 mtp	1970 mtp	1270 mtp

Processing capacity					
Model	Maximum feed size 400mm		Maximum feed size 200mm		
	Discharge size 60mm	Discharge size 40mm	Discharge size 40mm	Discharge size 20mm	
Main range	NP1213	250 mtp	200 mtp	280 mtp	180 mtp
	NP1315	315 mtp	250 mtp	350 mtp	225 mtp
	NP1520	500 mtp	400 mtp	560 mtp	360 mtp

### Product Particle Size Distribution Curve



## MF Series Banana Screen



### Product Introduction

The Derui MF series vibrating screen adopts a multi-stage variable angle screen design, commonly known as 'banana screen' which comprehensively surpasses traditional fixed-slope screens in processing capacity, screening efficiency, and anti-clogging performance. Equipped with independently developed ML series exciters, providing strong and stable linear vibration, achieving high throughput operation and reducing the risk of clogging. The ML exciter supports infinite adjustment, allowing flexible tuning of excitation parameters based on working conditions, continuously optimizing the screening process. The MF screen is particularly suitable for complex feeding conditions with large volumes of material and high fine content, ensuring efficient classification. Standard configuration is compatible with modular screen systems such as Trellax Panelcord and Trellax Ls, and can also be adapted to various screening media according to customer requirements, meeting diverse application needs.

### Product Advantages

- Multi-stage variable angle design with strong self-cleaning capability  
ML exciter, infinitely adjustable, stable vibration
- High throughput, no clogging, high uptime
- Compatible with mainstream modular screens, easy maintenance
- Specializes in high powder content and difficult-to-screen materials

### Technical Parameters

Model	Decks	Screen surface size (mm)	Deck Max. opening (mm)	Capacity (t/h)	ML exciter (qty)	Motor power (kw)	Weight of equipment (t)
MF1861-1	1	1800×6100	150	1900	2	30	10.8
MF1861-2	2	1800×6100	150	1900	2	30	15.5
MF2461-1	1	2400×6100	150	2500	2	30	13.85
MF2461-2	2	2400×6100	150	2500	2	55	20
MF3061-1	1	3000×6100	150	3200	2	30	17.8
MF3061-2	2	3000×6100	150	3200	2	55	24.65
MF3073-1	1	3000×7300	150	3200	2	55	19.35
MF3073-2	2	3000×7300	150	3200	2	55	27.85
MF3661-1	1	3600×6100	150	3700	2	55	18.8
MF3661-2	2	3600×6100	150	3700	2	55	28.55
MF3673-1	1	3600×7300	150	3700	2	55	21.85
MF3673-2	2	3600×7300	150	3700	2	90	33.9
MF3685-1	1	3600×8500	150	3700	2	55	24
MF3685-2	2	3600×8500	150	3700	3	90	37.05

## LF Series Linear Elliptical Screen



### Product Introduction

This series is specifically designed for heavy-duty industrial applications, and its outstanding performance is widely recognized globally, being extensively used in diverse industrial environments such as mines, quarries, and sand and gravel sites. This series of vibrating screens offers various screening areas and specifications including single-layer, double-layer, and triple-layer options to meet the diverse needs of users. Its design is sophisticated, allowing for a seamless transition between elliptical and linear strokes, combined with a wide stroke range to generate astonishing excitation forces. In addition, the small angle installation mode effectively reduces the civil engineering height, saving space. In terms of installation, the series of linear vibrating screens offers multiple options.

### Product Advantages

- Reliable structure
- Strong excitation force
- Convenient Repair
- Standardized by components
- Innovative structure and simple maintenance
- Reliable operation can reduce total downtime.

### Technical Parameters

Model	Decks	Screen surface size (mm)	Deck Max. opening (mm)	Capacity (t/h)	Motor power (kw)	Weight of equipment (t)
LF1860D	2	1800×6000	260	350-550	15×2	6.8
LF1860T	3	1800×6000	260	350-550	22×2	10.2
LF2160D	2	2100×6000	260	440-650	15×2	7.52
LF2160T	3	2100×6000	260	440-650	22×2	10.2
LF2460D	2	2400×6000	260	500-700	22x2	11
LF2460T	3	2400×6000	260	500-700	30x2	13.5
LF2470D	2	2400×700	260	550-750	22×2	12.3
LF2470T	3	2400×7000	260	550-750	30×2	15.7
LF2770D	2	2700×7000	260	570-770	30×2	14.5
LF3060D	2	3000×6000	260	600-800	30x2	14
LF3070D	2	3000×7000	260	620-820	30×2	15.5

## YKJ Series Vibrating Screen



### Product Introduction

The motion trajectory of this series of vibrating screens is circular, specifically designed for screening stones in quarries, and can also be used for product classification in coal washing, mineral processing, building materials, power, and chemical industries. The product features advanced structure, strong excitation force, low vibration noise, easy maintenance, and durability.

### Product Advantages

- Good adjustability of vibration amplitude
- Screening is uniform
- High processing capability
- Reasonable structure, sturdy and durable

### Technical Parameters

Model	Decks	Screen surface size (mm)	Deck Max. opening (mm)	Capacity (t/h)	Vibration frequency (Hz)	power (kw)	Weight (t)	Dimensions (mm) (L×W×H)
2YKJ1550	2	1500×5000	200	30-180	13-16	15	4.5	5580×2220×1200
3YKJ1550	3	1500×5000	200	30-200	13-16	18.5	5.8	5720×2220×1850
2YKJ1860	2	1800×6000	250	50-300	16.2	18.5	5.5	6566×2480×1240
3YKJ1860	3	1800×6000	250	50-300	16.2	22	6.5	6802×2480×1890
2YKJ2060	2	2000×6000	250	100-400	16.2	18.5	6	6566×2680×1240
3YKJ2060	3	2000×6000	250	100-400	16.2	22	7.5	6802×2680×1890
2YKJ2460	2	2400×6000	250	150-600	16.2	22	8	6624×3120×1440
3YKJ2460	3	2400×6000	250	150-600	16.2	30	9.5	6832×3120×1970
2YKJ2270	2	2200×7000	250	150-550	16.2	22	8.5	7698×2960×1440
3YKJ2270	3	2200×7000	250	150-550	16.2	30	10	7923×2960×1930
4YKJ2270	4	2200×7000	250	200-550	16.2	37	11.5	8105×2960×2360
2YKJ2570	2	2500×7000	250	200-650	16.2	30	10	7745×3260×1550
3YKJ2570	3	2500×7000	250	200-650	16.2	37	12	7923×3260×2080
2YKJ2870	2	2800×7000	250	250-650	16.2	30	12	7745×3560×1550
3YKJ2870	3	2800×7000	250	250-650	16.2	30×2	19	8282×3760×2130
2YKJ3072	2	3000×7200	250	300-700	16.2	22×2	17	8112×3760×1730
3YKJ3072	3	3000×7200	250	300-700	16.2	30×2	20	8282×3760×2130
2YKJ3280	2	3200×8000	250	400-800	16.2	30×2	18.5	8912×4160×1730
3YKJ3280	3	3200×8000	250	400-800	16.2	37×2	21.5	9082×4160×2130
2YKJ3680	2	3600×8000	250	500-1000	16.2	37×2	27	8912×4760×1730
3YKJ3680	3	3600×8000	250	500-1000	16.2	45×2	33	9082×4760×2130

## Feeding screening equipment

### ZSW Linear Feeder



#### Product Introduction

The linear feeder features stable vibration, reliable operation, and long lifespan. It can provide continuous and uniform feeding for crushing machinery and perform coarse screening of materials. Widely used in the joint equipment of crushing and screening in mineral processing, building materials, silicon hydrochloric acid, and chemical work.

#### Product Advantages

- Vibration stabilization
- Reliable work
- Long lifespan

#### Technical Parameters

Model	Material trough size (mm)	Maximum feed particle size (mm)	Capacity (t/h)	Eccentric shaft speed (r/min)	Motor power (KW)	Equipment Weight (t)	Dimensions (mm) (L*W*H)
GZD250×75	2500×750	300	50-80	—	1.5×2	1.5	2580×1430×600
GZD300×90	3000×900	450	80-100	—	3×2	3.5	3050×1580×750
GZD370×100	3700×1050	500	100-150	—	3.7×2	4.5	3980×1878×866
GZD490×110	4900×1100	580	120-280	—	5.5×2	5.8	5200×1900×950
ZSW380×96	3800×940	500	100-160	500-720	18.5	5	3800×1540×1660
ZSW490×110	4900×1100	580	120-280	500-800	22	5.5	4900×1700×1660
ZSW590×110	5900×1100	600	200-350	500-800	30	7.2	5900×1840×1900
ZSW600×130	6000×1300	600	400-560	500-800	37	9	5980×2050×1950
ZSW600×150	6000×1500	800	560-900	500-800	45	10	5980×2250×1950

# Power-Crushing Rocks, Grain by Grain to Gold

DG series high-pressure roller crusher



Ultimate choice for high-quality, low-cost ultrafine crushing

## DG Series High-pressure Roller Crusher



### Product Introduction

High-pressure roller crusher can be widely used in various fields such as metal and non-metal mines, manufactured sand, ceramic materials, cement plants, refractory materials, metallurgy, and chemical industries for stone sand making operations. This crusher replaces grinding with crushing, capable of crushing various types of stones such as granite, pebble, quartz sand, and iron ore. It uses a pneumatic adjustment device, specially designed roller body, ultra-wear-resistant alloy roller surface, long service life, low power consumption, high production capacity, and energy-saving and environmentally friendly features, making it an ideal choice in the fields of sand making and grinding.

### Product Advantages

- High Yield
- Pneumatic pressure  
Low-cost maintenance
- High Efficiency and Energy Saving
- Applicable to Multiple Sites

### Technical Parameters

Model	Roller diameter (mm)	Roller width (mm)	Motor power (kw)	Reducer model	Feed particle size (mm)	Capacity (t/h)	Weight (t)
DG0914	1450	900	132	JZQ1000	<30	50-60	29
DG1214	1450	1200	160	ZSY355	≤40	80-100	37
DG1216	1600	1200	250-315	ZSY450-500	<40	100-150	43.5
DG1618	1600	1800	450-520	ZSY630-710	<60	200-270	72

## VSI series sand making machine (Impact crusher)



### Product Introduction

VSI high-efficiency vertical shaft impact crusher also known as sand making machine, features a four-port impeller structure and a special sealing structure. Combined with an automatic thin oil lubrication system, it effectively improves its production efficiency and service life. The VSI sand making machine can quickly switch between 'sand making' and 'shaping' modes, achieving dual-purpose functionality. Its product particle shape is excellent, with a large throughput. Equipped with an intelligent control system, it helps large sand fields gradually move towards large-scale and centralized production to meet national requirements for environmental protection and production capacity.

### Product Advantages

- High efficiency and good particle shape: Optimized impeller design improves efficiency by 30% and reduces wear by 40%. Low maintenance cost: Hydraulic device for automatic cover opening reduces maintenance costs and is easy to maintain. Convenient operation: Easy installation, simple maintenance, and user-friendly operation. Automatic monitoring: Automatic monitoring, safe and reliable, thin oil lubrication, automatic maintenance.

### Technical Parameters

Model	Soft material	Hard Material	Capacity (t/h)	Spindle speed (r/min)	Power (kw)	Dimensions (mm) (L*W*H)	Weight of equipment (t)
	Maximum feed particle size (mm)	Maximum feed particle size (mm)					
VS17615	35	30	25-70	1500-1700	75×2	4100×2330×2300	9
VS18518	40	35	35-100	1500-1700	90×2	4140×2280×2425	10.3
VS18522	40	35	50-130	1500-1700	110×2	4140×2500×2700	11
VS19526	45	40	60-150	1360-1510	132×2	4560×2450×2780	15
VS19532	45	40	80-180	1300-1510	160×2	4560×2600×2900	16
VS11145	50	45	100-250	1100-1310	220×2	5000×2790×3320	19
VS1150	45	55	110-350	1000-1300	250×2	5500×2750×3950	19.7
VS11263	65	60	120-500	900-1200	315×2	5700×2980×4190	24.2
VS11380	65	60	180-800	900-1200	400×2	6100×2900×3400	29.5

XSD Series Wheel Sand Washer



Product Introduction

The wheel sand washer is a washing equipment for processing sand, gravel, and slag particles. This sand washer is widely used in industries such as sand and gravel pits, mining, building materials, transportation, chemical industry, water conservancy and hydropower, and concrete mixing stations for material washing.

Product Advantages

- This sand washer has a simple structure, and the impeller transmission shaft bearing device is isolated from water and the materials being washed, greatly reducing the occurrence of bearing damage due to water immersion, sand, and contaminants.
- The loss of medium and fine sand and stone powder is minimal, and the washed construction sand gradation and fineness modulus meet the national standards for 'Construction Sand' and 'Construction Gravel and Crushed Stone'!
- This machine has almost no easily damaged parts except for the screen.
- Long service life, maintenance-free for a long time.

Technical Parameters

Model	Impeller Diameter (mm)	Impeller Length (mm)	Selected particle size	Capacity (t/h)			Water consumption (t/h)	Weight (t)	Dimensions (mm) (L*W*H)
XSD2610	2600	3510	≤10	50	1.1	5.5	50-80	4	3510×2300×2780
XSD3016	3000	4100	≤10	80	1.1	7.5	80-100	5	4100×2670×3210
XSD3020	3000	4100	≤10	100	1.1	11	100-150	7	4100×3510×3210
XSD4020	4000	4800	≤10	150	1.3	15	150-200	9	4800×3510×4200
XSD4520	4500	5300	≤10	200	1.3	22	250-300	10.5	5300×3500×4700
XSD5020	5000	5900	≤10	280	1.3	22	300-350	13	5900×3500×5300
<b>XSD5024</b>	5000	5900	≤10	300	1.1	30	350-400	15	5900×3900×5300
<b>XSD6030</b>	6000	6900	≤10	350	1.1	37	400-600	21	6900×4500×6100

DR Series Fine Sand Recovery Integrated Machine



Product Introduction

The DR series fine sand recovery device is designed by Derui Group using advanced technology combined with the actual situation in China, achieving an internationally advanced level of fine sand recovery. It is widely used in mud purification, sand and gravel aggregate systems in hydropower stations, glass raw material processing systems, artificial sand production lines, and the recovery of coarse coal slurry in coal preparation plants as well as environmental protection projects such as slurry purification for shield machines and dry discharge treatment of tailings in metal and non-metal mining.

Product Advantages

Ore yard in use:

- In the wet process of artificial sand production, the loss of a large amount of sand puts significant pressure on the environment. To address this issue, the Derui DR series fine sand recovery system can effectively reduce the loss of fine particulate materials, solving these problems of high fineness modulus and low stone powder content in the finished product.
- Utilizing the fine sand recovery system not only makes full use of resources but also reduces pollution in the work environment and alleviates the workload of sedimentation tanks. 85% of the total recoverable emissions of fine particulate matter, which has unparalleled technical and economic advantages compared to other equipment.

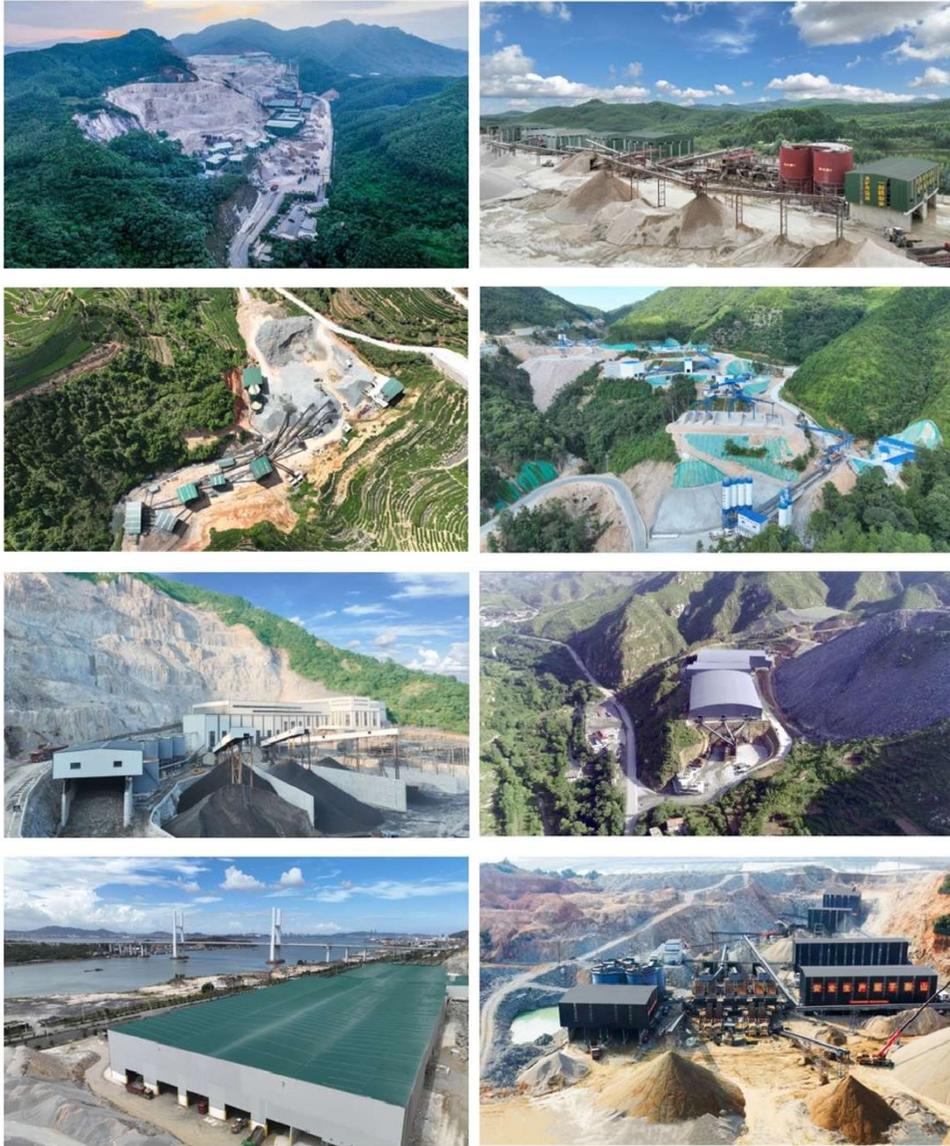
In the application of tailings dry stacking:

- In the traditional mineral processing process, most of the raw materials are crushed to below 0.2 mm by a crusher, and the concentrate is extracted using water magnetic separation and shaking tables, while most of the tailings are managed through damming. Based on the above situation and national environmental requirements, the company has designed a tailings dry discharge system, which allows the tailings to be directly stacked and discharged, significantly reducing the production costs of mineral processing, effectively controlling the water content in the tailings, and effectively addressing the environmental pollution caused by tailings, thus meeting the emission standards for environmental protection.
- The size of the dewatering screen can be increased according to the specific site conditions to change the water content in the tailings.

Technical Parameters

Slurry Pump			Cyclone	Dewatering Screen			Weight (t)	Throughput (t/h)
Model	Model	Power (kw)	Specifications	Model	Area (m)	Power (kw)		
DR12-30	100ZJ-42	30-4	350	1230	3.6	2×2.2	4.9	40-60
DR14-30	150ZJ-50	30-4	350×2	1430	4.2	2×2.2	5.8	60-80
DR16-30	150ZJ-60	37-4	350×2	1630	4.8	2×2.4	6.5	80-100
DR-2032	150ZJ-60	37-4	500×2	2032	6.4	2×3.0	8.2	100-150
DR-2445	150ZJ-60	55-4	350×4	2445	10.8	2×18.5	13.6	200-220
DR-3050	150ZJ-60	55-4	350×5	3048	14.4	2×22	18	250-300

# CASE SITE



# COOPERATIVE CLIENTS

