



黑山路桥
— HYSAN MACHINE —

30年矿山设备专业制造商

PROFESSIONAL MINING EQUIPMENT MANUFACTURE

设备供应 · 方案设计 · EPC工程



黑山路桥
— HYSAN MACHINE —

山东黑山路桥机械科技有限公司

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ABOUT HYSAN

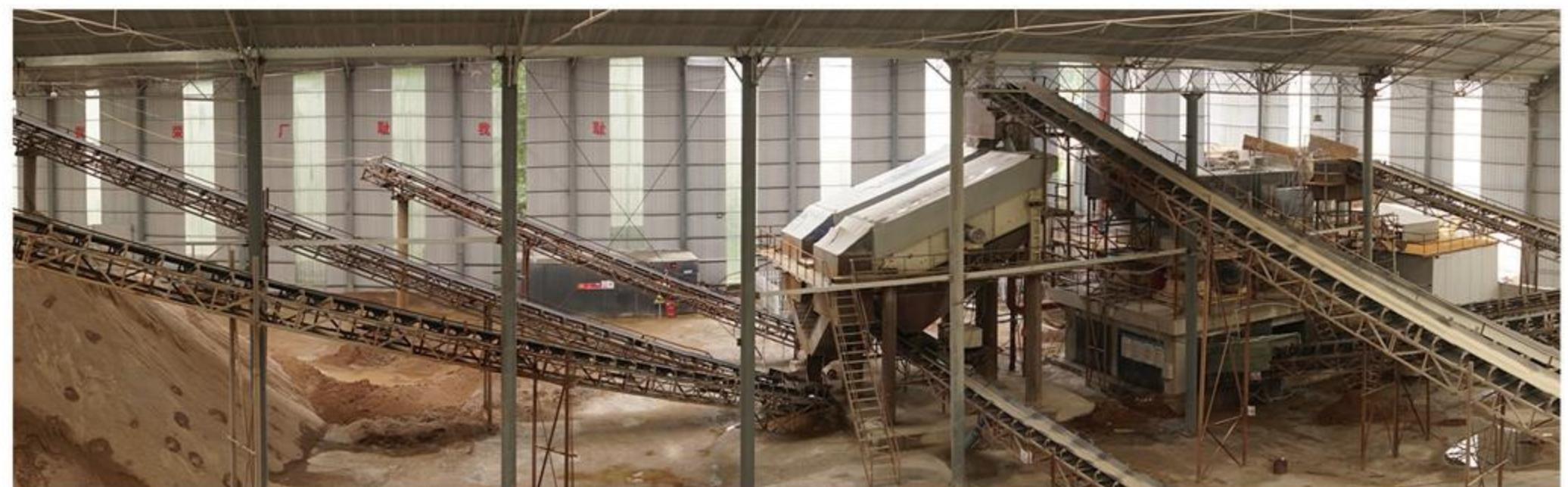
企业简介

山东黑山路桥机械科技有限公司是专业从事矿山破碎/筛分，建筑破碎/筛分，制砂领域设备的研发、设计、生产、销售、服务于一体的国内知名国家级高新技术企业。

我们为客户提供全系列破碎筛分设备，主要包括：单缸/多缸液压圆锥破碎机，高效复合弹簧圆锥破碎机，颚式破碎机，反击式破碎机，锤式破碎机，重型锤式破碎机，立轴式制砂机，整形机，给料机，振动筛，以及全套破碎和制砂生产线。我公司早在2005年已顺利通过ISO国际质量体系认证及欧盟CE认证。黑山路桥机械拥有近5万平方米的生产基地及配套齐全的先进加工设备并配套齐全的检测系统以保证产品质量，主要检测设备包括：三坐标，美国FARO关节臂三坐标，金属检测实验室，金相分析仪，光谱仪，万能试验机，超声波探伤仪等。公司现有员工350人左右，其中中高端技术人员近30余人，公司拥有专利近15余项，研发团队为企业发展提供者坚强的技术后盾。我们生产的优质产品远销美国、欧洲、澳大利亚、南非及东南亚等国家，优质的产品，合理的价格为广大客户所青睐。我们将继续秉承“融时代大成，铸公司辉煌”，喜迎八方客户，努力服务于行业客户，成为你们值得信赖的供应商。

Shandong Hysan Road and Bridge Machinery Technology Co., Ltd. is specializing in mine crushing / screening, building crushing / screening, sand making field equipment design, production, sales, service. We are the one of well-known national high-tech enterprises.

We provide customers with a full range of crushing and screening equipment, which includes: single cylinder hydraulic cone crusher, multi-cylinder hydraulic cone crusher, high efficiency spring cone crusher, jaw crusher, impact crusher, hammer crusher, heavy hammer crusher, VSI sand making machine, feeder, vibrating screen; Also, full set of crushing and sand making production lines. Our company has successfully passed the ISO international quality system certification and the European Union CE certification as early as 2005. Hysan company has over 50,000 square meters plant, advanced processing equipment and completed testing systems to ensure products quality. The main testing equipment include: three coordinates testing, American FARO arm three coordinates testing, metal testing laboratory, metallographic analyzer , spectrometer, universal testing machine, ultrasonic flaw detector, etc. Our company has about 350 employees, which includes 30 high-level technical engineers. For the previous decades, our company already applied about 15 patents. Along with our big efforts, our high-quality products are exported to all over the world, such as the United States, Europe, Australia, South Africa and Southeast Asia and other countries. High-quality products, reasonable prices are accepted by the majority of customers. We will insist on making the best machines, do the best service for our clients as our principle. We will warmly welcome you to our company to see all the details and communicate business opportunities all the time.



致力于一流质量产品，一流管理体系，一流售后服务 荣誉资质 HONOR&CERTIFICATE



『生产设备 PRODUCTION EQUIPMENT 』



模型 Model

尺寸精确优质的铸造产品始于优质的模型制作，黑山铸钢拥有3000平米的模型制作车间，我们选用上好实木作为选材，引进国外先进的立轴数控加工中心进行制作，从源头把控产品质量和生产效率。

Precise and high-quality casting products begin with high-quality model making. Hysan Cast Steel has 3000 square meters model making workshop. We choose good solid wood as material selection and import foreign advanced vertical axis NC machining centers for production to control product quality and production efficiency from the source.

铸造&热处理 Casting&Heat Treatment

公司拥有水玻璃砂生产线4条，1吨、2吨、3吨、5吨、10吨、20吨电炉11余台，单件浇铸最大工件55吨，主要产品结构为矿山破碎机设备配件、压力机配件、船舶等。热处理和表面质量控制方面，我们可以根据不同产品机械性能要求做正火、回火、退火、淬火等热处理方式，2018年在耐磨件热处理方面引进先进热处理机器人，从而大大提高产品品质，大型抛丸机设备保证了产品铸件表面光滑整洁。

The company has 4 production lines of sodium silicate sand, including 11 electric furnaces of 1 ton, 2 tons, 3 tons, 5 tons, 10 tons and 20 tons. The largest casting workpiece is 55 tons. The main product structure is mining crusher equipment parts, press machine parts, ships and so on. In terms of heat treatment and surface quality control, we can do normalizing, tempering, annealing, quenching and other heat treatment methods according to the mechanical properties of different products. In 2018, advanced heat treatment robots were introduced in the heat treatment of wear-resistant parts, thus greatly improving the quality of products. Large shot blasting machine equipment ensures smooth and clean surface of castings.



精加工 Fine Machining

我公司加工设备齐全，拥有多台大型立车、镗铣床、数控卧车、加工中心、钻床、刨床、大型龙门镗铣床等，引进美国法如激光三坐标保证加工尺寸精度。

Our company has complete processing equipment, with a number of large vertical lathes, boring and milling machines, CNC sleeping lathes, processing centers, drilling machines, planers, large gantry boring and milling machines, etc., the introduction of American law such as laser coordinates to ensure the dimensional accuracy of processing.

检测 Testing

为了能够完善管理，对产品的品质有更充分的了解和管理，黑山路桥机械在质量检测方面持续投入，目前，黑山路桥机械的主要检测设备有进口光谱分析仪、碳硫分析仪、磁粉探伤仪、超声波探伤仪、万能试验机、冲击试验机等。

In order to improve management and better to control the quality of products, Hysan has been continuously invested in quality testing. At present, the main testing equipment including imported spectrum analyzer, carbon and sulfur analyzer, magnetic particle detector, ultrasonic flaw detector, universal testing machine, impact testing machine, etc.

『发展历程 DEVELOPMENT HISTORY』

● 始建于1988/ SINCE 1988

山东淄博铸钢/ 国营企业

主营破碎设备，铸钢类配件及耐磨件

Shandong Zibo cast steel/ National-owned enterprise

Main products: crushing equipment, casting and wear-resistant parts

● 2003 - 2006

公司改制为民营企业，黑山路桥正式起航

铸件飞跃性突破

开始装配整机设备：破碎/ 给料/ 筛分

Our company changed to a private enterprise/ Hysan officially founded

Casting business developed fast

Start assembling machines: crushers/ feeders/ screenings

● 2007 - 2012

系列设备相继完善/ 加入国家行业协会/ 开展出口业务

Series of equipment successfully improved/ Join the national crusher association/ Export business start

● 2013 - 2015

单缸圆锥日臻完善

多缸圆锥等新产品进入研发

The single cylinder hydraulic cone crusher done

New products and multi-cylinder hydraulic cone crusher finished

● 2015 - 至今

智能化热处理机器人投入使用

重锤，多缸，制砂等新产品陆续投入市场

集铸件/耐磨件制造，给料/破碎/筛分设备制造，提供设备选型，流程设计，现场勘察，布局，安装，调试，售后服务

综合一体的集团化

Intelligent heat treatment robot is used in our production.

Heavy hammer crusher, multi-cylinder cone crusher, sand making machine and other new products have been put into the market

Steel casting / wear-resistant parts, feeders / crushers / screens , providing equipments selection, process design, layout, installation, commissioning, after-sales service, are completed.

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破碎机设备

HH&HS单缸液压圆锥破碎机	01-04	HH&HS Single Cylinder Hydraulic Cone Crusher
HSP系列多缸圆锥破碎机	05-06	HSP Series Multi Cylinder Cone Crusher
复合式弹簧圆锥破碎机	07-08	Compound Spring Cone Crusher
西蒙斯圆锥破碎机	09-10	Symons Cone Crusher
颚式破碎机	11-12	Jaw Crusher Series
C系列颚式破碎机	13-14	C Series Jaw Crusher
反击式破碎机	16-16	Impact Crusher Series
锤式破碎机	17-17	Hammer Crusher Series
单段式重锤破碎机	18-18	Single Section Heavy Hammer Crusher Series

制砂机设备

VSI系列高效立轴冲击式破碎机	15-15	VSI Series High Efficiency Vertical Shaft Impact Crusher
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配套设备

圆振动筛	19-20	Vibrating Screen
BZW板式给料机	21-21	BZW Apron feeder
ZSW振动给料机	21-22	ZSW Vibrating Feeder
ZDW料仓给料机	22-22	ZDW Hopper Feeder
皮带输送机	23-23	Belt Conveyor Series
配件	24-26	Crusher Parts

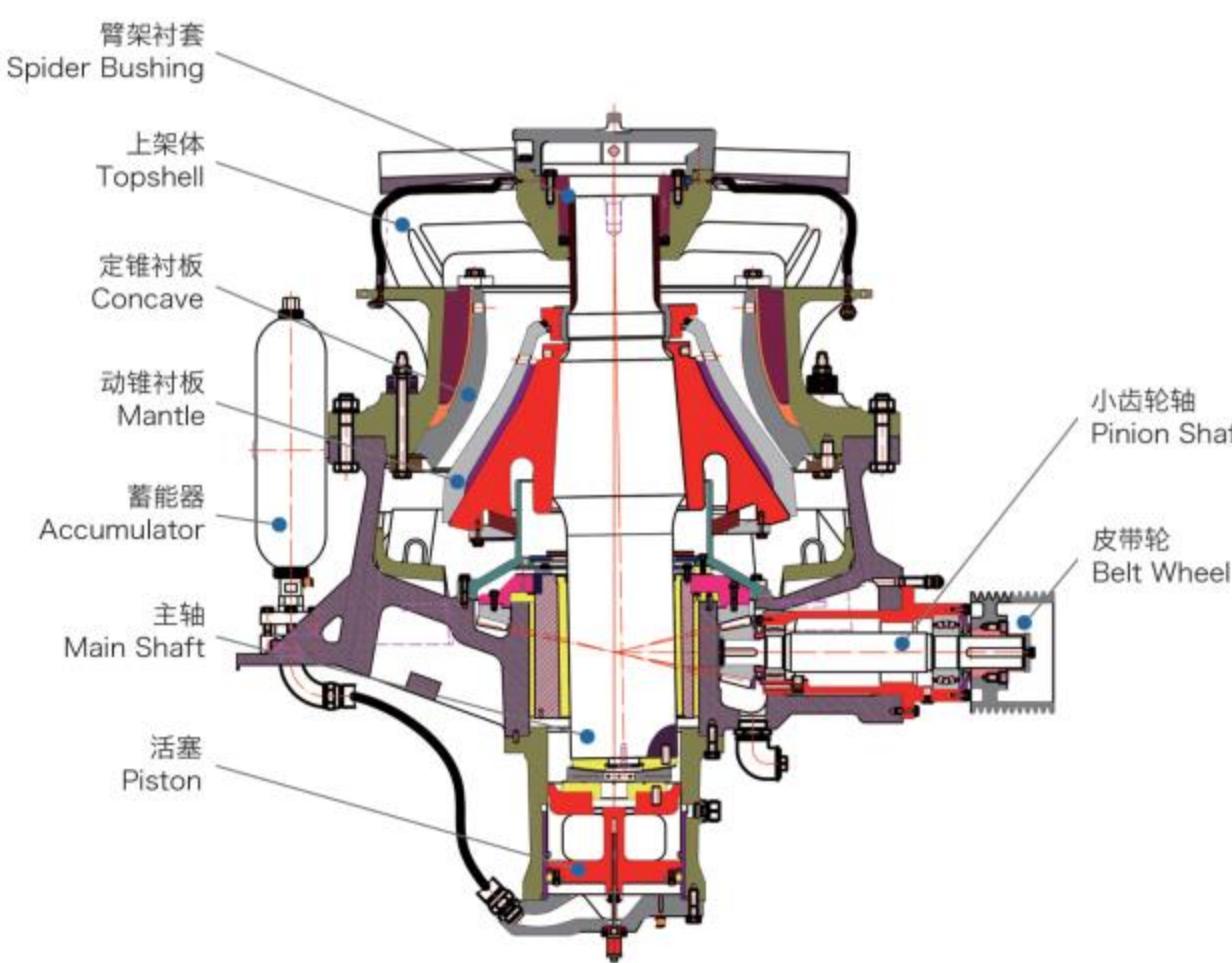
工程案例

生产现场	27-28	Working Site
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HH 单缸液压圆锥破碎机

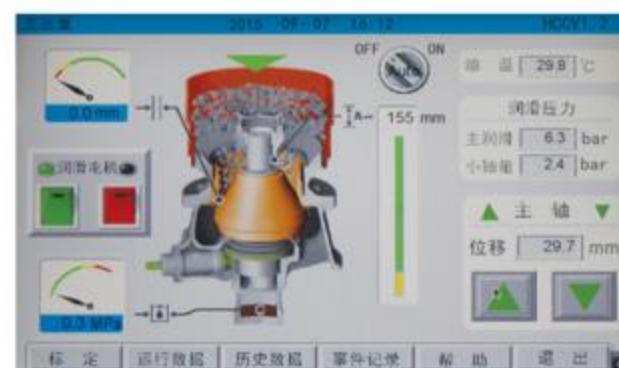
产品结构 Main Structure



A large industrial hammer mill unit, likely made of stainless steel, featuring a cylindrical upper section with vertical bands and a lower section with a red band and black discharge pipe. It is mounted on a red steel frame.

HH和HS系列单缸液压圆锥破碎机集机械、液压、电器、自动化、智能控制等技术于一体，代表着世界最先进的破碎机技术。可以广泛的应用于中碎，细碎以及超细碎等破碎作业。可广泛的应用于金属与非金属矿，水泥厂，建筑，砂石，冶金等行业，适用于铁矿石，有色金属矿石，花岗岩，石灰岩，石英石，砂岩，鹅卵石等。

HH and HS series single cylinder hydraulic cone crusher is combined with technology such as machinery, hydraulic pressures, electricity, automation, intelligent control, etc., representing the world's advanced crusher technology. It is not only widely applied in medium crushing, fine crushing and superfine crushing, but also in such industries as metal and nonmetallic ore, cement, construction, sand making, metallurgy, etc. Besides, HH&HS series single cylinder hydraulic cone crusher is suitable for crushing iron ore, non-ferrous metal ore, granite, limestone, quartzite, sandstone, pebble, etc.



技术参数 Technical Data

型号 Model	电机功率 Power (kw)	腔型 Crushing Chamber	最大喂料粒度 Max feeding size (mm)	紧边排料口下的标准产量(t/h) CSS(mm) Capacity(t/h)																
				19	22	25	29	32	35	38	41	44	48	51	54	60	64	70	76	83
HS200	90	特粗 EC	240		85	92-115	101-158	107-168	114-143	121										
		粗 C	200	70	76-95	82-128	90-112	96												
HS300	160	特粗 EC	360			126	138-173	147-230	156-293	165-310	174-327	183-344	196-306	205-256	214					
		粗 C	300		108	116-145	127-199	135-254	144-270	152-285	161-301	169-264	108							
		中粗 MC	235	91	98-123	106-166	116-218	124-232	131-246	139-261	147-275	154-241	165							
HS400	250	特粗 EC	450						267	282-353	298-446	313-563	334-601	349-524	365-456					
		粗 C	400					225	239-299	254-381	269-484	284-511	298-448	318-398	333					
		中粗 MC	300			195	214-267	228-342	242-435	256-461	270-486	284-426	303-378	317						
HS600	315	特粗 EC	560									349	368-460	392-588	410-718	428-856	465-929	489-978	525-1050	
		粗 C	500									318	336-420	353-618	376-753	394-788	411-823	446-892	469-822	504-631

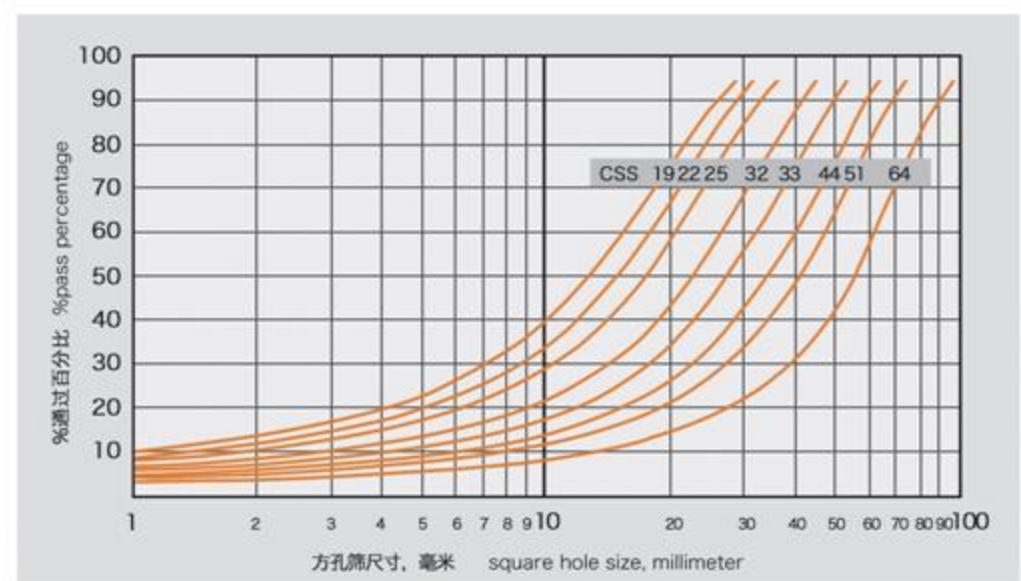
HH 圆锥破碎机 / HH CONE CRUSHER																				
型号 Model	电机功率 Power (kw)	腔型 Crushing Chamber	最大喂料粒度 Max feeding size (mm)	紧边排料口下的标准产量(t/h) CSS(mm) Capacity(t/h)																
				4	6	8	10	13	16	19	22	25	32	38	44	51	57	64	70	
HH200	90	特粗 EC	135				46	50-85	54-92	58-99	62-105	66-112	76-128							
		粗 C	90				43-53	46-89	50-96	54-103	57-110	61-118	70							
		中 M	65			36-44	38-74	41-80	45-76	48-59										
		中细 MF	50		36	38-67	40-71	44-68	47-53											
		细 F	38	37-34	29-50	31-54	32-57	35-48	38											
		特细 EF	29							30-40 (80% 细度小于4.5-5.5mm)										
HH300	160	特粗 EC	185					69-108	75-150	80-161	86-171	91-182	104-208	115-208						
		粗 C	145					66-131	71-142	76-152	81-162	86-173	98-197	109-150						
		中粗 MC	115				57	62-140	67-151	72-162	77-173	82-184	93-145							
		中 M	90				64-84	69-131	75-142	80-152	86-162	91-154	104							
		中细 MF	75			61	65-106	70-115	76-124	81-126	87-114	92								
		细 F	50		48-78	51-83	54-88	59-96	63-103	68-105	72-95	77								
HH400	250	特细 EF	35							70-90 (80% 细度小于5-5.6mm)										
		特粗 EC	215						114-200	122-276	131-294	139-313	159-357	175-395	192-384					
		粗 C	175					101	109-218	117-292	125-312	133-332	151-378	167-335	183-229					
		中粗 MC	140					97-122	105-262	113-282	120-301	128-320	146-328	161-242						
		中 M	110					117-187	126-278	136-298	145-318	154-339	176-281	194						
		中细 MF	85				114	124-227	134-245	144-263	153-281	163-299	186-248							
HH600	315	细 F	70		90-135	96-176	104-191	112-206	120-221	129-236	137-251	156-208								
		特细 EF	38							100-125 (80% 细度小于6-7.5mm)										
		特粗 EC	275						177	190-338	203-436	216-646	246-547	272-605	298-662	328-511				
		准特粗 CX	245						174-194	187-374	200-488	212-519	242-592	268-654	293-521	323-359				
		粗 C	215						171-190	184-367	196-480	209-510	238-582	263-643	288-512	317-353				
		中粗 MC	175						162-253	174-426	186-455	198-484	226-552	249-499	273-364					
HH800	500	中 M	135						197-295	211-440	226-470	240-500	274-502	302-403						
		中细 MF	115					192	207-369	222-396	237-423	252-450	287-451	318-363						
		细 F	85					195-304	210-328	225-352	241-376	256-400	292-401	323						
		特细 EF	65					211-293	227-316	244-298	261-290									
		特粗 EC	300									448-588	477-849	544-908	601-1070	658-1172	725-1291	782-1393	849-1512	906-1337
		粗 C	240								406	433-636	461-893	525-1018	581-1125	636-1232	700-1357	756-1464	820-1461	876-1280
HH800	500	中粗 MC	195							380-440	406-723	432-837	492-954	544-1065	596-1155	657-1272	708-1373	769-1370	821-1208	
		中 M	155							400-563	428-786	455-836	519-953	573-1054	628-1154	692-1271	746-1372	810-1248	865-1098	
		中细 MF	100						379-424	407-716	434-765	462-814	527-928	582-942	638-789	702				
		细 F	90					357-395	385-656	414-704	442-752	470-800	535-912	592-857	649-718					
		特细 EF	80					280-405	304-517	328-558	352-598	376-639	400-680	455-775	503-728	551-669				

产品优势 Advantages

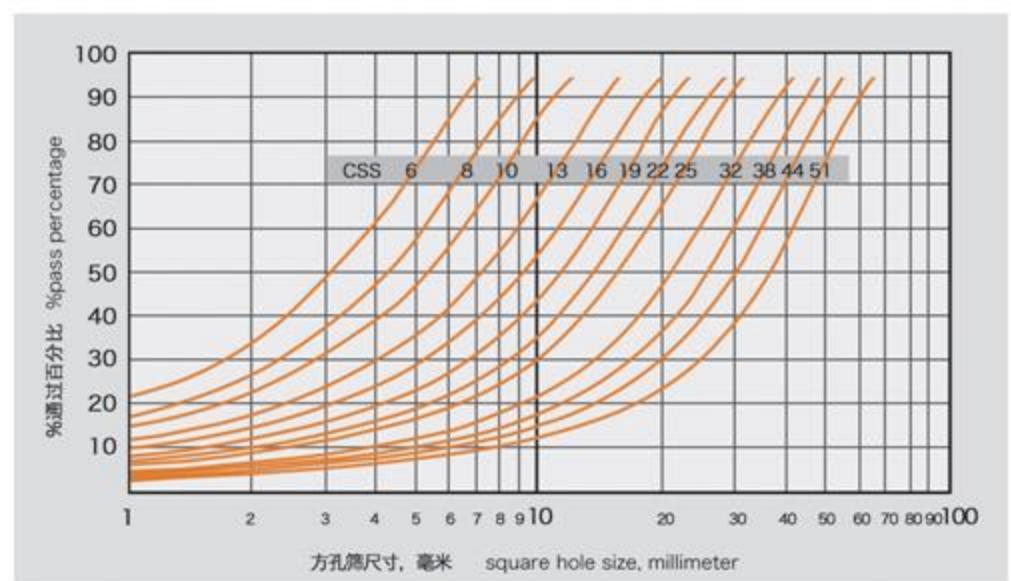
1. 产品粒型好
我公司生产的单缸液压圆锥破碎机排料口可自动调整，系统可提高圆锥破碎机的利用率，并自动适应给料条件的变化，优化的破碎频率，偏心距的配合，以及先进的液压破碎技术，使生产的成品粒型均匀饱满。
2. 运行成本更低
优化后的破碎腔型使单缸圆锥允许的最大给料粒度保持不变，使产量提高，并延长衬板寿命，从而大大降低了运行成本。
3. 操作维护简单
设备结构简单，所有维修工作在取下上机架后完成，使得检查，检修更方便，直观。
4. 自动化程度高
HH/HS单缸圆锥采用PLC控制系统，此控制系统提供了安全保护和排料口调整功能，并配有自动过载保护，使铁块或其他不可破碎物料安全通过，使主轴自动返回原位，PLC页面全程监控破碎机内部的实际破碎负荷，让破碎机最大限度发挥其生产潜力。

1. Perfect product shape
The discharge of the cone crusher can be adjusted automatically. The system can increase the utilization rate of the cone crusher and automatically adapt to the changes in the feeding conditions, and advanced hydraulic crushing technology makes the finished product even and full.
2. Lower operating costs
The optimized crushing cavity shape keeps the maximum feeding granularity allowed by the single-cylinder cone, increases the output, and extends the life of the liner, thereby greatly reducing the operating cost.
3. Simple operation and maintenance
Simple equipment structure, all maintenance work is completed after removing the upper and lower racks, making inspection and maintenance more convenient and intuitive.
4. High degree of automation
HH / HS single-cylinder cone adopts PLC control system. This control system provides safety protection and discharge opening adjustment functions, and is equipped with automatic overload protection to allow iron blocks or other unbreakable materials to pass safely, and to return the spindle to its original position automatically. The PLC page monitors the actual crushing load inside the crusher throughout the process, allowing the crusher to maximize its production potential.

产品粒度曲线 Product size curve



HS型破碎机 / HS CONE CRUSHER



HH型破碎机 / HH CONE CRUSHER

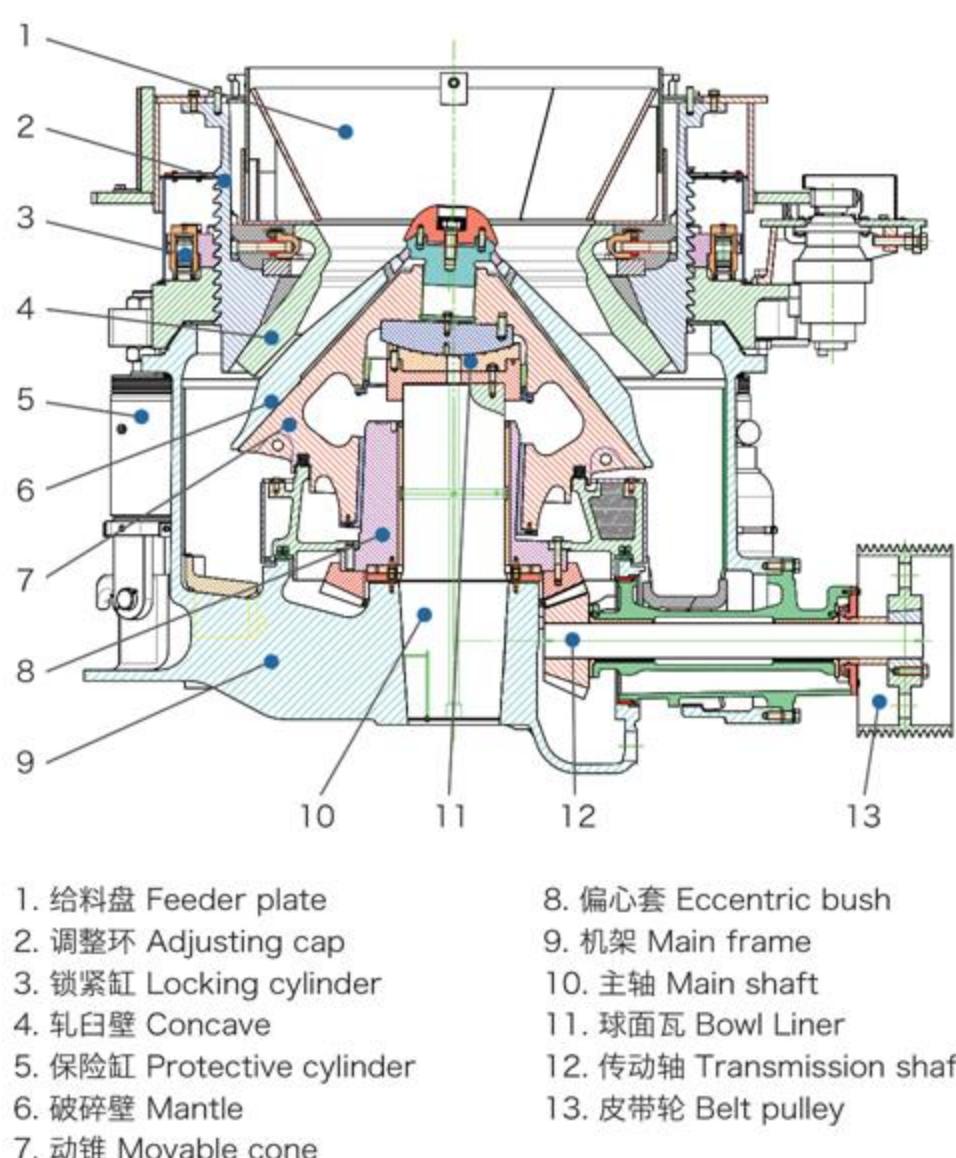




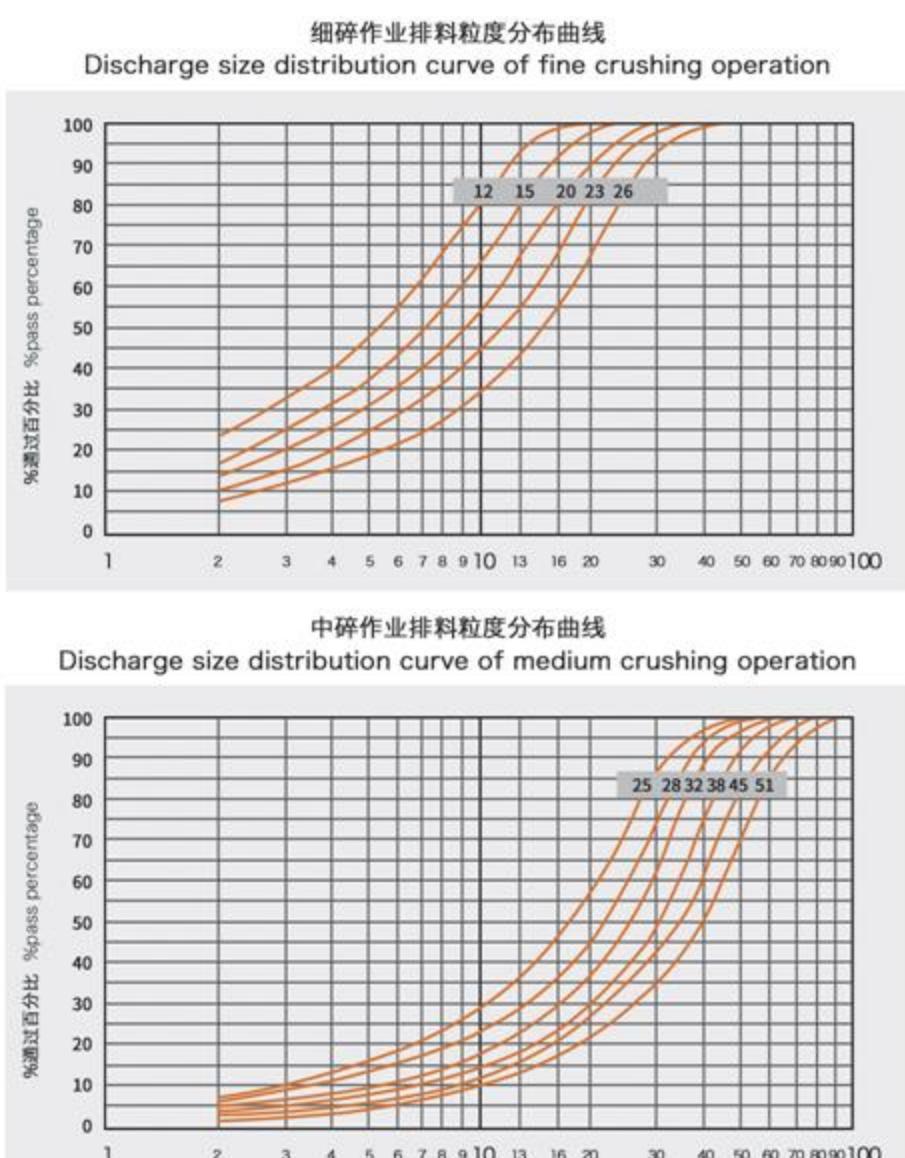
HSP系列多缸液压圆锥破碎机适合于破碎高硬物料，在综合弹簧圆锥的使用经验基础上，结合现场的实际经验，之后结合新技术，新材料的研究，开发的新一代多缸液压圆锥破碎机，HSP系列多缸液压圆锥破碎机特点在于将破碎速度、冲程及破碎腔完美结合，这种结合不仅提高了生产能力和产品质量，还扩大了应用范围，可在中碎、粗碎、超细碎作业中提高高效率和破碎性能。

HSP series multi-cylinder hydraulic cone crusher is suitable for crushing high-hard materials. Based on the comprehensive experience of using spring cone crusher, combined with actual field experience, new technology and new material research, a new generation of multi-cylinder hydraulic cone crusher is developed. HSP series multi-cylinder hydraulic cone crusher is characterized by the perfect combination of crushing speed, stroke and crushing cavity. This combination not only improves production capacity and product quality, but also expands the scope of application, which can improve high efficiency and crushing performance in medium crushing, coarse crushing, and ultrafine crushing operations.

产品结构 Main structure



产品粒度曲线图 Product size curve



技术参数 Technical Data

型号 Model	腔型 Cavity	进料尺寸 (≤mm) Input size (≤mm)	最小排料口尺寸 (mm) Minimum discharge port size (mm)	生产量 Capacity (t/h)	装机功率 Motor power (kw)
HSP200	粗 C	185	19	150-220	132-160
	中 M	125	17	140-230	132-160
	细 F	95	13	115-220	132-160
	超细 EF	75	10	90-185	132-160
HSP300	超粗 EC	230	25	220-450	220-250
	粗 C	210	19	200-350	220-250
	中 M	150	16	180-300	220-250
	细 F	107	13	150-275	220-250
HSP400	超细 EF	80	10	110-245	220-250
	超粗 EC	290	32	325-430	315
	粗 C	252	25	285-370	315
	中 M	195	19	230-282	315
HSP500	细 F	110	13	180-230	315
	超细 EF	92	10	115-140	315
	超粗 EC	335	38	425-790	355-400
	粗 C	285	30	350-690	355-400
HSP800	中 M	205	22	330-605	355-400
	细 F	130	16	280-500	355-400
	超细 EF	95	10	175-230	355-400
	超粗 EC	353	38	550-1200	600-630
	粗 C	297	32	530-1050	600-630
	中 M	267	25	495-950	600-630
	细 F	220	16	385-800	600-630
	超细 EF	150	10	260-500	600-630

优势特点 Advantages

1. 产量更高

HSP系列多缸液压圆锥破碎机的技术在于将更高的转速和冲程相结合，从而使HSP圆锥机的额定功率和通过能力大大提高。

Higher production

The technology of HSP series multi-cylinder hydraulic cone crusher is to combine higher speed and stroke, so that the rated power and throughput of HSP cone crusher are greatly improved.

2. 层压破碎产品质量更高

HSP利用层压破碎腔型设计，产品粒型均匀，成品粒型成立方体，合格料级含量高。

Higher quality of laminated crushed products

HSP uses a laminated crushing cavity design, the product grains are uniform, and the finished grains are cubed, and the qualified material content is high.

3. 多种腔型转换灵活

HSP配置了中碎和细碎腔型，只需更换不同腔型衬板等，便可在腔型之间转换。

Flexible conversion of various cavity types

HSP is equipped with medium crushed and fine crushed cavity types. You can switch between cavity types by replacing different cavity liners.

4. 自动过铁保护减少停机时间

HSP圆锥破碎机双向过铁释放液压缸能够让铁块通过破碎腔，液压清理破碎腔行程大而且与衬板磨损无关，减少清除破碎腔内堵塞物料所需的工作量并能还原清腔，从而缩短停机时间。

Automatic iron crossing protection reduces downtime HSP cone crusher two-way iron release hydraulic cylinder can make the iron through the crushing chamber, the hydraulic cleaning of the crushing chamber stroke is large and has nothing to do with the lining plate wear, reduce the work required to clear the blockage materials in the crushing chamber and can restore the cleaning chamber, thus reducing the shutdown time

5. 方便维修

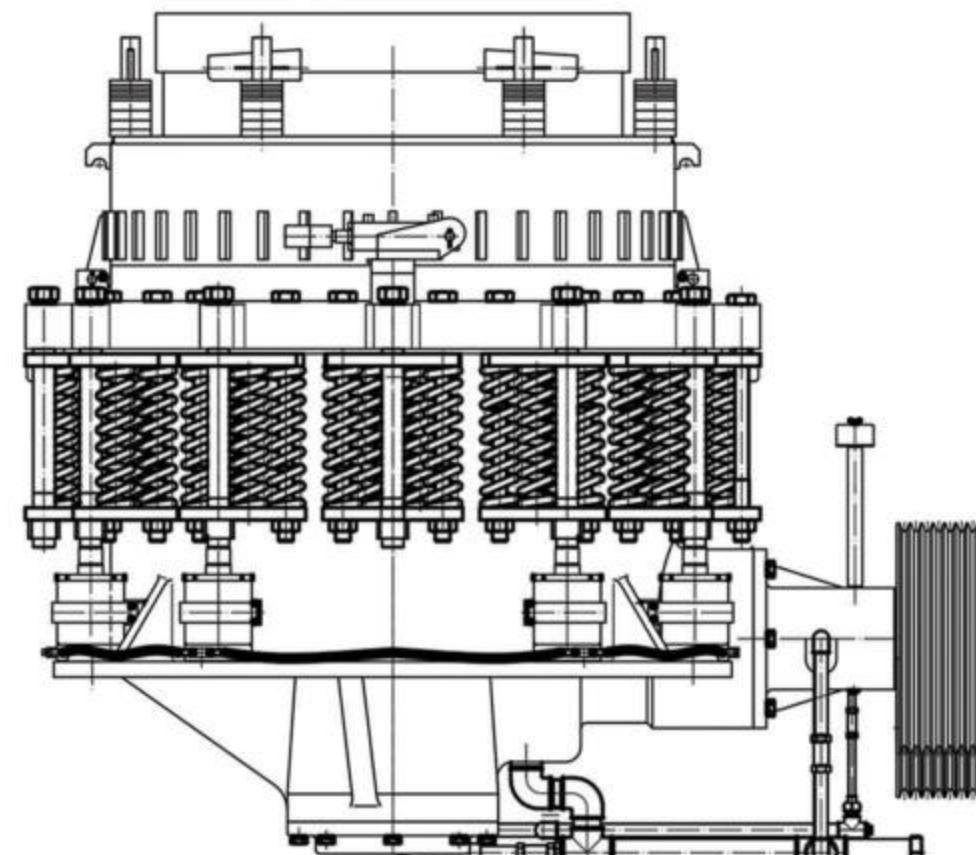
所有部件都可以从顶部或侧面拆装和维护，动锥和定锥拆装方便，无需拆装机架，紧固螺栓，日常更换衬板方便，触摸屏或电脑全自动控制系统，操作简单方便。

Easy maintenance

All components can be disassembled and maintained from the top or side. The concaves and mantles are easy to be disassembled. There is no need to disassemble the frame, tighten the bolts, it is convenient to replace the lining board daily, and the touch screen or computer automatic control system is easy and convenient to operate.

我公司生产的高效复合圆锥破碎机是结合了国内外在中细碎技术方面进行优化而成的新型产品。本设备性能已到达国内外先进水平。HS系列圆锥破碎机是一款高效，节能，经济，使用和维护方便的机型。广泛应用于冶金，建材，处理建筑垃圾等行业中。适用于破碎各类硬度较高的矿石及岩石。

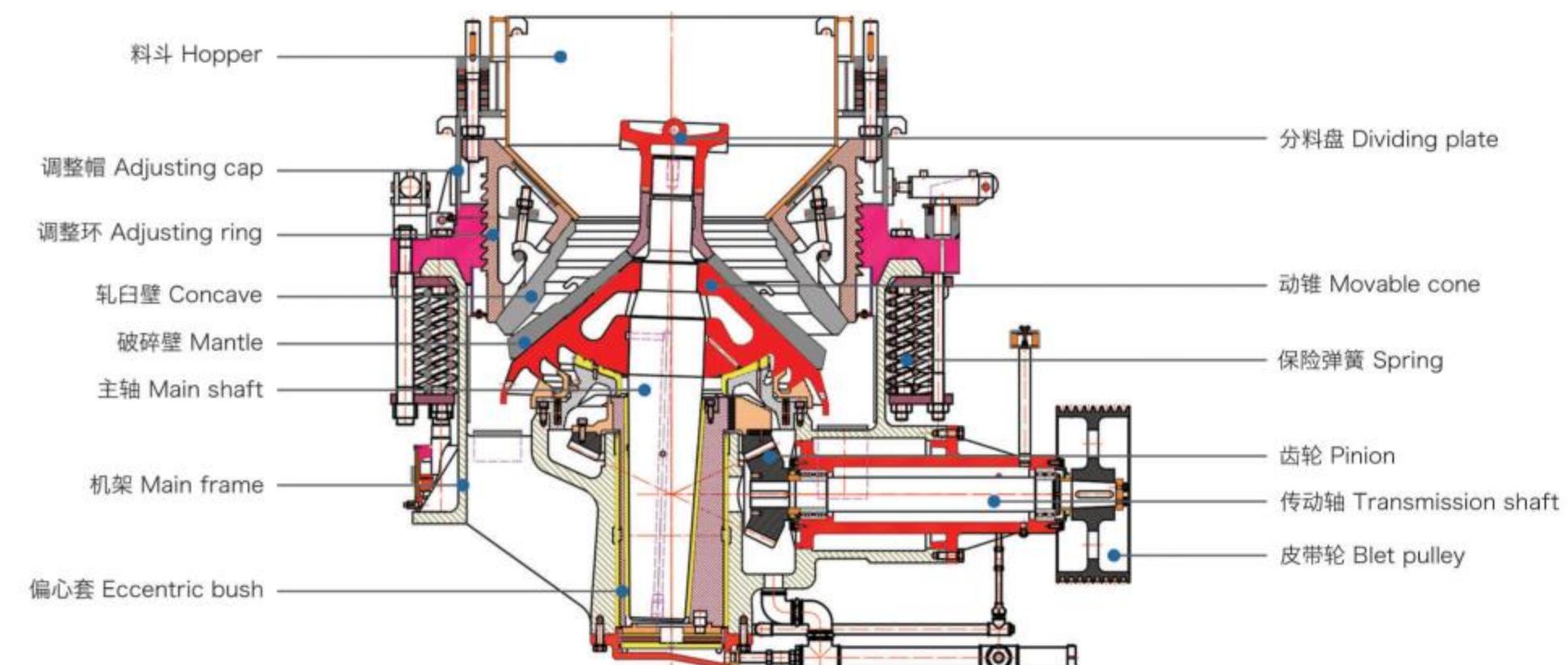
The high efficiency compound spring cone crusher produced by our company is a new product which combines the domestic and foreign optimization in the aspect of fine crushing technology. The performance of the equipment has reached the advanced level at home and abroad. HS series cone crusher is an efficient, energy-saving, economical, easy to use and maintain. Widely used in metallurgy, building materials, construction waste treatment and other industries. Suitable for crushing all kinds of ores and rocks with high hardness.



技术参数 Technical Data

型号 Model	腔型 Cavity	最大给料粒度 Maximum feed size (mm)	最小排料口 mouth size (mm)	不同紧边排料口尺寸时的产量 CSS(mm) Capacity (t/h)										电机功率 Power(kw)			
				6	10	13	16	19	22	25	32	38	51	65			
HS1380	粗型 C	215	19							185	210	250	270	330	400	220	
	中型 M	160	16							150	180	210	230				
	细型 F	115	13					130	180	200	230						
HS1650	粗型 C	235	22							235	270	320	380	450	500	550	250-280
	中型 M	175	19							210	230	265	300	330			
	细型 F	130	13					165	220	235	265	285					

产品结构 Main structure



优势特点 Advantages

- 破碎腔经优化设计后，产量更高，出料粒型更好。
- 更换衬板易操作，更换便捷。
- 采用液压清腔系统，减少停机时间。
- 液压调整排料口，可方便控制出料粒度。
- 采用外置油箱，油泵，管路润滑系统，在设备因油温过高或其他问题时，自动关闭圆锥机，以起到保护作用。
- After optimized design of the crushing cavity, the output is higher and the pellet shape is better.
- The replacement of the liner is easy to operate and convenient.
- Use hydraulic cavity cleaning system to reduce downtime.
- Hydraulically adjust the discharge port, which can conveniently control the size of the discharge.
- Use an external oil tank, pump, and pipeline lubrication system. When the equipment is overheated due to oil temperature or other problems, the cone machine is automatically shut down to protect it.

圆锥破碎机适用于冶金、建筑、筑路、化学及硅酸盐行业中原料的破碎，根据破碎的原理，圆锥破碎机广泛运用于大的矿山、冶炼、建材、公路、铁路、水利工业等众多部门。圆锥破碎机破碎比大、效率高、能耗低，产品粒度均匀，适合于中碎和细碎各种矿石、岩石。

Cone crusher is used for the crushing of the raw material in metallurgy, construction, chemistry and silicate industry. According to the principle of the crusher, the cone crusher is used widely in the large scale mining, smelting, construction materials, highway, railway and water conservancy. It can be fit for the secondary crushing and fine crushing of all kinds of mineral and rock as the high crushing ratio, high efficiency, low energy and uniform particle.



优势特点 Advantages

- 采用层压破碎原理，使产品中立方体所占比例明显提高，针片状石子减少，粒级更均匀。所有的部件均能够从上部或侧面拆装，使定锥和动锥总成均可方便拆出
- 定锥和动锥采用高锰钢材质，可有效降低磨耗，当有铁块等非破碎物进入机内时，过铁保护装置会自动将其释放，然后自动复位。
- 如果破碎机在负荷状态下停机，液压清腔系统可迅速清理破碎腔，大大减少了停机时间，采用大直径主轴、重型化主机架以及独立的稀油润滑系统的自动控制系统，保证了设备坚固耐用，运行可靠。
- Using the principle of lamination and crushing, the proportion of cubes in the product is significantly increased, the number of needle flakes is reduced, and the particle size is more uniform. All components can be disassembled from the top or side, so that the fixed cone and moving cone assembly can be easily removed.
- The fixed and moving cones are made of high-manganese steel, which can effectively reduce wear. When non-broken objects such as iron lumps enter the machine, the iron protection device will automatically release it and then automatically reset.
- If the crusher is stopped under load, the hydraulic cavity cleaning system can quickly clean the crushing cavity, greatly reducing the downtime. The use of a large-diameter spindle, a heavy-duty main frame, and an independent automatic control system of the thin oil lubrication system ensure that the equipment is strong Durable and reliable operation.

技术参数 Technical Data

PYS-B 标准型西蒙斯圆锥破碎机
PYS-B Standard Type Symons Cone Crusher

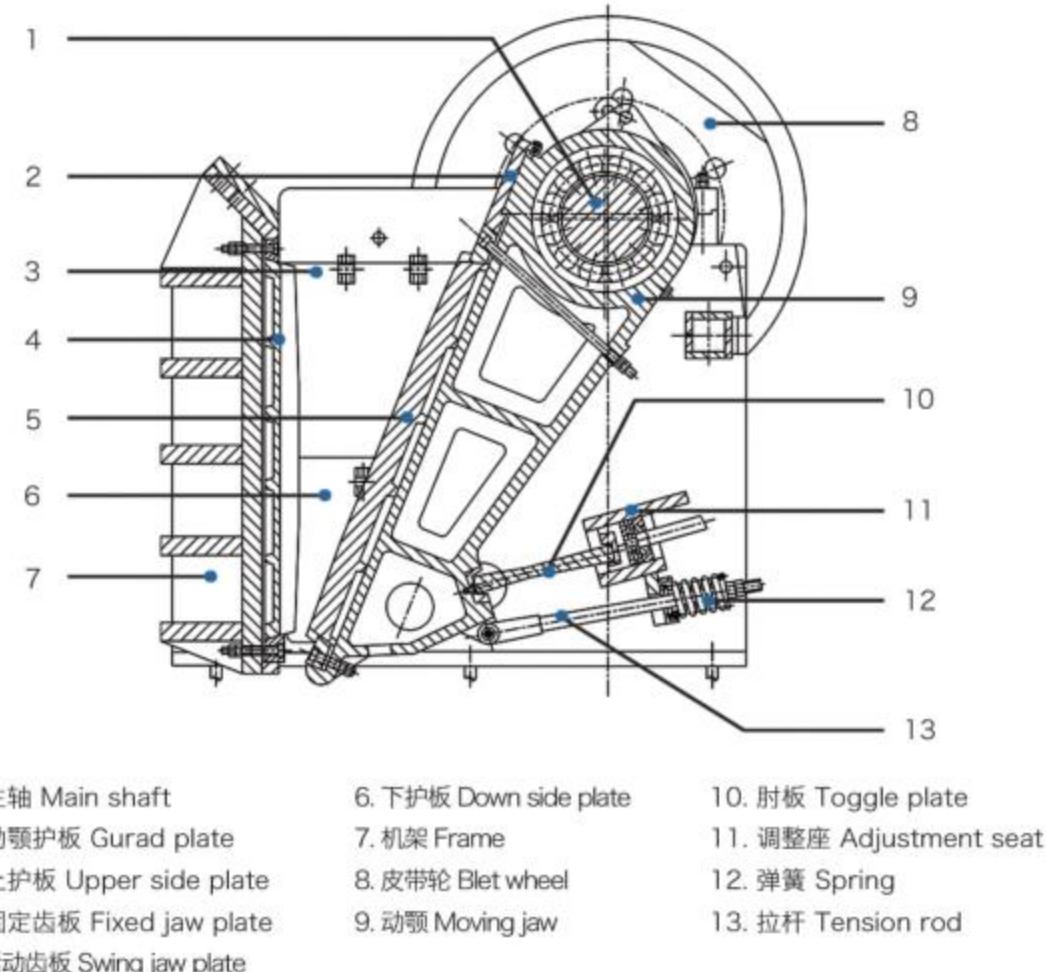
型号 Model	规格 Specifications	破碎直径 英尺 Dia. of cone foot(mm)	腔型 Cavity	给矿口尺寸 英寸 Feed opening inch(mm)		排料口 调整范围 Discharge setting(mm)	电动机 功率 Motor power (kw)	设备 重量 Weight (t)	生产能力 Production (t/h)
				闭口边 Closed side "B"	开口边 Opening side "B"				
PYS-B0910			细型 Fine	3 5/8 (83)	4 1/8 (102)	9-22			40-100
PYS-B0917	3 Ft	3 (914)	粗型 Coarse	6 3/8 (159)	7 (175)	13-38	75	14.64	55-180
PYS-B0918			特粗型 ExtraCoarse	6 1/2 (163)	7 1/8 (178)	25-38			105-180
PYS-B1313			细型 Fine	4 3/8 (109)	5 3/8 (137)	18-31			100-200
PYS-B1321			中型 Medium	7 1/2 (188)	8 1/4 (210)	16-38	155	25.86	118-280
PYS-B1324			粗型 Coarse	8 5/8 (216)	9 5/8 (214)	19-51			155-384
PYS-B1325			特粗型 ExtraCoarse	9 5/8 (238)	10 3/8 (259)	25-51			212-390
PYS-B1620			细型 Fine	7 1/2 (188)	8 3/8 (209)	16-38			162-360
PYS-B1624	4-1/4 Ft	4 1/4 (1295)	中型 Medium	8 1/2 (213)	9 5/8 (241)	22-51	240	50.8	232-460
PYS-B1626			粗型 Coarse	9 5/8 (241)	10 3/4 (269)	25-64			270-698
PYS-B1636			特粗型 ExtraCoarse	13 1/4 (331)	14 1/2 (368)	38-64			388-745
PYS-B2127			细型 Fine	10 1/8 (253)	11 1/8 (278)	19-38			344-798
PYS-B2133			中型 Medium	12 1/8 (303)	13 3/8 (334)	25-51	380	89.5	550-1098
PYS-B2136			粗型 Coarse	13 3/5 (334)	14 3/4 (369)	31-64			710-1398
PYS-B2146			特粗型 ExtraCoarse	18 1/8 (425)	18 1/8 (460)	38-64			800-1498

PYS-D 短头型西蒙斯圆锥破碎机
PYS-D Short-head Type Symons Cone Crusher

型号 Model	规格 Specifications	破碎直径 英尺 Dia. of cone foot(mm)	腔型 Cavity	给矿口尺寸 英寸 Feed opening inch(mm)		排料口 调整范围 Discharge setting(mm)	电动机 功率 Motor power (kw)	设备 重量 Weight (t)	生产能力 Production (t/h)
				闭口边 Closed side "B"	开口边 Opening side "B"				
PYS-D0904			细型 Fine	1/2 (13)	1 5/8 (41)	3-13			24-100
PYS-D0906	3 Ft	3 (914)	粗型 Coarse	1 15/16 (33)	2 3/8 (61)	3-16	75	14.64	24-110
PYS-D0907			特粗型 ExtraCoarse	2 (51)	3 (76)	6-19			54-140
PYS-D1306			细型 Fine	1 1/8 (29)	2 1/2 (64)	3-16			32-180
PYS-D1308			中型 Medium	2 1/8 (54)	3 1/2 (89)	6-16	155	25.86	74-180
PYS-D1310			粗型 Coarse	2 3/4 (70)	4 1/8 (105)	8-25			98-250
PYS-D1313			特粗型 ExtraCoarse	3 7/8 (98)	5 1/4 (133)	16-25			188-260
PYS-D1607			细型 Fine	1 3/8 (35)	2 3/4 (70)	5-13			82-230
PYS-D1608	4-1/4 Ft	4 1/4 (1295)	中型 Medium	2 1/8 (54)	3 1/2 (89)	6-19	240	50.8	120-310
PYS-D1613			粗型 Coarse	3 7/8 (98)	5 1/4 (133)	10-25			170-370
PYS-D1614			特粗型 ExtraCoarse	4 5/8 (177)	5 1/4 (133)	13-25			228-370
PYS-DC2110			细型 Fine	2 (51)	4 1/8 (105)	5-16			172-450
PYS-DC2113			中型 Medium	3 3/4 (95)	5 1/4 (132)	10-19	380	89.5	318-560
PYS-DC2117			粗型 Coarse	5 (127)	7 (178)	13-25			408-658
PYS-DC2120			特粗型 ExtraCoarse	6 (152)	8 (203)	16-25			530-718

颚式破碎机的工作部分是两块颚板，一是固定颚板(定颚)，垂直(或上端略外倾)固定在机体前壁上，另一个是活动颚板(动颚)，位置倾斜，与固定颚板形成上大下小的破碎腔(工作腔)。活动颚板对固定颚板做周期性的往复运动，时而分开，时而靠近。分开时，物料进入破碎腔，成品从下部卸出；靠近时，装在两块颚板之间的物料受到挤压，弯折和劈裂作用而破碎，适用于粗、中碎硬质物料和中硬质物料。

The working part of the jaw crusher is two pieces of jaw plate, one is stationary and fixed on the front wall of machine body, which is called fixed jaw, while the other one, swing jaw, making a crushing chamber with the fixed jaw, moves back and forth periodically, when separating, the material enters into the crushing chamber and then the particle drops out from the bottom; when combined, the material is crushed by the compressive force, buckling and split effect from the jaw plate. The jaw crusher series are used for the primary and secondary crushing of hard material.



优势特点 Advantages

1. 噪声低，粉尘少。其破碎比大，产品粒度均匀。
2. 结构简单，工作可靠，运营费用低，润滑系统安全可靠，部件更换方便，设备维护保养简单。
3. 破碎腔深而且无死区，提高了进料能力与产量，设备节能:单机节能15-30%，系节能一倍以上。
4. 排料口调整范围大，可满足不同用户的要求，垫片式排料口调整装置，可靠方便，调整范围大，增加了设备的灵活性。

1. Less noise and dust, high crushing ratio, uniform particle size.
2. Simple structure, safe work, low operating cost, safe lubrication system, easy parts replacement and equipment maintaining.
3. Deep crushing chamber with no dead zone, improves the feeding size which leads to a high capacity, equipment energy-saving; save 15%-30% energy, save system energy more than twice.
4. Wide range of discharge gate can meet the requirements of different customers, gasket discharge gate adjusting device makes it more convenient to use. Wide adjustable range improves the flexibility of the equipment.



技术参数 Technical Data

PE型颚式破碎机技术参数 PE Jaw Crusher Technical Data

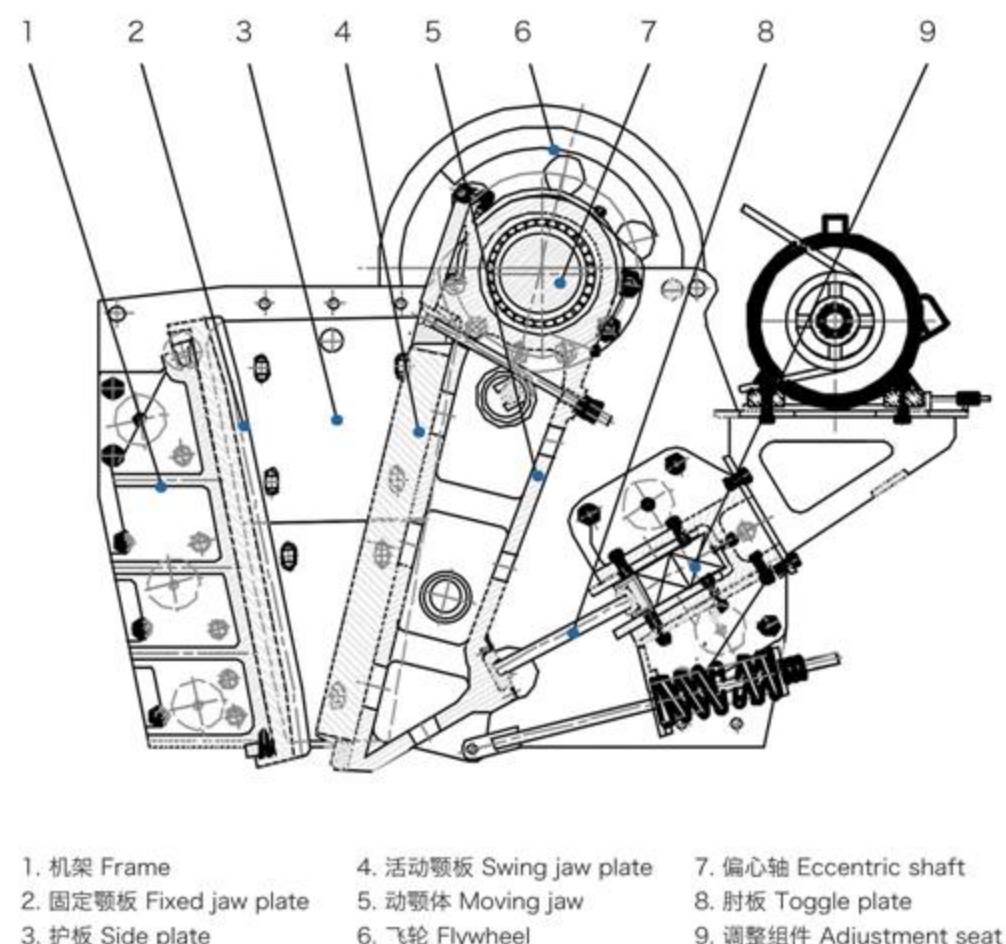
型号 Model	进料口尺寸 Feeding port size (mm)	排料口尺寸 Discharging mouth size(mm)	最大进料尺寸 Biggest feeding granular (mm)	生产能力 Capacity (t/h)	偏心轮转速 Eccentric (r/min)	电动机功率 Motor power (kw)	外形尺寸 Envelop dimensions (mm)
PE-150×250	150×250	10-40	130	0.6-3	300	5.5	920×800×850
PE-250×400	250×400	20-60	210	8-16	300	15	1430×1316×1296
PE-400×600	400×600	40-100	350	14-36	275	30	1700×1732×1656
PE-500×750	500×750	50-120	400	30-80	250	45-55	1900×1876×1821
PE-600×900	600×900	75-200	480	56-192	250	55-75	2280×2245×2320
PE-750×1060	750×1060	80-235	630	108-256	250	90-110	2380×2550×2800
PE-900×1200	900×1200	90-265	750	180-500	220	110-160	3170×2900×3250
PE-1100×1400	1100×1400	150-300	1000	380-800	180	200-250	4200×3020×3900
PE-1200×1500	1200×1500	150-300	1100	450-1000	180	250-315	3800×3120×4155
PE-1300×1600	1300×1600	160-320	1150	850-1220	180	355-400	4450×3950×4520

PEX型颚式破碎机技术参数 PEX Jaw Crusher Technical Data

型号 Model	进料口尺寸 Feeding port size (mm)	排料口尺寸 Discharging mouth size(mm)	最大进料尺寸 Biggest feeding granular (mm)	生产能力 Capacity (t/h)	偏心轮转速 Eccentric (r/min)	电动机功率 Motor power (kw)	外形尺寸 Envelop dimensions (mm)
PEX-150×750	150×750	10-40	120	8-25	320	15	1210×1572×1045
PEX-250×1000	250×1000	20-50	210	15-50	250	30	1550×1990×1370
PEX-250×1200	250×1200	20-60	210	20-70	320	37	1530×2285×1625
PEX-300×1300	300×1300	30-80	250	30-90	320	45	1530×2380×1720
PEX-300×1500	300×1500	35-100	250	40-120	320	55	1900×2600×1780
PEX-350×750	350×750	30-80	300	30-52	320	37	1650×1680×1655
PEX-500×1500	500×1500	50-120	400	60-160	300	75-90	2250×2680×1920

黑山路桥公司研发生产的欧版C系列颚式破碎机是为了解决传统颚式破碎机生产效率低、安装维护难等问题，它采用国际最先进的破碎技术和制造工艺，是对坚硬，强腐蚀性物料进行破碎时首选的高效产品。

HYSAN develops and produces the European C series style jaw crusher to solve the traditional jaw crusher problem of low production efficiency, difficult installation and maintenance. It adopts the most advanced crushing technology and manufacturing process in the world and the first choice of high-efficiency products for crushing hard and highly corrosive materials.



优势特点 Advantages

- 更先进的动颚总成，轴承座采用整体式铸钢结构，保证其与破碎机架完全配合，大大增强了轴承座的径向强度。
 - 破碎腔采用对称“V”型结构，使理论进料口与实际进料口一致，安全快捷的排料口调整装置。
 - 采用了齿形护板，增大了颚板的有效长度，产量更高。
 - 电机安置于机身上，能有效减少占用空间，易于操作检修。
 - 抗疲劳度强，给料能力突出。
 - 运行、运转效率高，自动化控制程度高。
1. More advanced movable jaw assembly lengthens the using life, integral cast steel structure is adopted for bearing seat, which matches well with the crusher fame, at the same time, radial strength of the bearing seat is highly strengthened.
 2. Crusher chamber adopts "V" structure, which ensures theoretical feeding size consistent with the actual feeding size, adjustment of the discharge part is more convenient.
 3. A newly designed tooth-shape side plate, makes the available area of jaw plate longer, and enhances the capacity.
 4. Motor is set on the machine body, which can effectively reduce occupied space, and make it easy to operate and repair.
 5. High fatigue resistance, outstanding feeding capacity.
 6. High operating efficiency, high degree of automation control.



技术参数 Technical Data

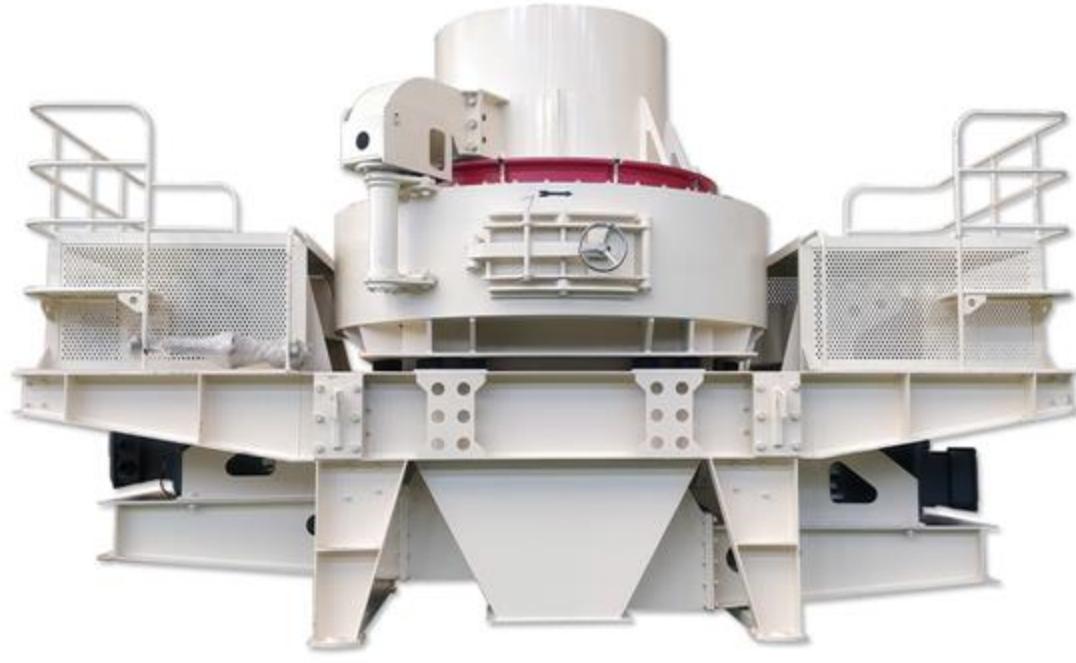
型号 Model	C96	C110	C125	C140	C160
给料口宽度 Width of feeding port (mm)	900	1060	1250	1400	1600
最大给料粒度 Biggest feeding granularity (mm)	480	630	800	900	1020
给料口深度 Depth of feeding port (mm)	600	750	950	1070	1200
电机功率 Motor power (kw)	90	110	160	200	250
产品尺寸 Product size (mm)	紧边排料口 Discharge size (mm)	吨/小时 (t/h)	吨/小时 (t/h)	吨/小时 (t/h)	吨/小时 (t/h)
0-60	40				
0-75	50				
0-90	60	120-155			
0-105	70	140-180	150-195		
0-120	80	160-210	170-225		
0-135	90	180-235	190-245		
0-150	100	200-255	215-280	290-380	
0-185	125	250-320	265-345	350-455	385-500
0-225	150	300-380	315-410	410-535	455-590
0-260	175	330-440	370-480	470-610	520-675
0-300	200		420-545	530-690	590-765
0-340	225			590-770	655-850
0-375	250			650-845	725-945
0-410	275				1040-1350
0-450	300				1130-1470
					1225-1590

VSI 系列高效立轴冲击式破碎机

VSI Series High Efficiency Vertical Shaft Impact Crusher

我公司研制的全新VSI制砂机，是国内外建筑、冶金、矿山行业以及高速、铁路、桥梁、水电及制砂行业的核心设备。VSI冲击破采用高速离心冲击技术适用于中细碎不同硬度的各种岩石和矿石，如花岗岩，河卵石，玄武岩，石英矿，有色金属矿，铁矿石等。最新一代VSI冲击式破碎机提高效率，降低磨损率，在延长维修期方面有着更加显著的特点，是机制砂，整形行业必不可少的先进设备。

The new VSI sand making machine developed by our company is the core equipment in the fields of construction, metallurgy, mining industry and highway, railway, bridge, hydropower and sand making industry in domestic and foreign area. VSI impact crusher adopts high-speed centrifugal impact technology, which is suitable for medium and fine crushing various rocks and ores, such as granite, river stone, basalt, quartz ore, non-ferrous metal ore, iron ore, etc. The latest generation of VSI impact crusher improves efficiency, reduces wear rate, and has more prominent features in extending the maintenance period. It is an indispensable advanced equipment in the sand making and shaping industry.



技术参数 Technical Data

型号 Model	最大进料尺寸 Max. feed size (mm)		处理能力 Capacity (t/h)		主轴转速 Rotation speed of main shaft (r/min)	功率 Double motor power(kw)
	软料 Soft material	硬料 Hard material	瀑落与中心进料 Cascade and center feeding	全中心进料 Center feeding		
VSI-8522	40	35	240-380	120-200	1550-1650	110×2
VSI-9526	45	40	280-350	150-180	1300-1500	132×2
VSI-9532	45	40	330-520	160-250	1350-1450	160×2
VSI-1145	50	45	400-500	220-330	1150-1250	220×2
VSI-1150	50	45	500-620	250-360	1100-1200	250×2
VSI-1263	60	50	545-583	454-486	900-1200	315×2

优势特点 Advantages

- 物料通过率提高，优化后的深腔转子使物料通过量提高。
- 零件磨损小，周边护板上下可调，提高材料利用率，高品质合金材料使维护成本更低。
- 配备稀油润滑装置，减少人工定期维护，液压开盖装置，检修维护更省心省力。
- The material passing rate is increased, and the optimized deep cavity rotor makes the material passing volume increase.
- Less wear of parts and adjustable upper and lower surrounding plates, which improve material utilization, and high-quality alloy materials reduce maintenance costs.
- Thin oil lubrication device reduces manual regular maintenance. Hydraulic cap opening device makes maintenance easier.

反击式破碎机

Impact Crusher Series



技术参数 Technical Data

型号 Model	转子尺寸 Specification (mm)	进料尺寸 Input size (≤ mm)	出料尺寸 Output Size (mm)	生产量 Capacity (t/h)	电机功率 Motor power (kw)	外形尺寸 Overall Dimension (mm)	重量 Weight (ton)
PF-1010	1000×1000	≤250	0-80	30-60	55-90	2400×1920×2520	10.2
PF-1210	1250×1050	≤300	0-80	60-100	90-132	2700×2100×2850	14.3
PF-1214	1250×1400	≤300	0-80	70-140	132-185	2700×2400×2850	16.8
PF-1315	1325×1500	≤300	0-80	100-150	220	3200×2750×2600	19.4
PF-1320	1320×2000	≤400	0-80	180-320	280	3340×3200×2880	29.5
PF-1515	1500×1500	≤350	0-80	180-280	280	3600×2850×3350	28
PF-1620	1600×2000	≤400	0-80	350-400	250×2	3590×3520×3560	37

优势特点 Advantages

- 反击板与板锤间隙能方便调节，有效控制出料粒度，颗粒形态好，矿石沿节理面破碎，故电耗少，效率高。
- 无键连接，检修方便，经济可靠，破碎功能全，生产率高，机件磨耗小，综合效率高，高铬板锤，抗冲击，抗磨损，冲击力大。
- 构造简单、体积小、重量轻、生产能力大、生产成本低，进料口大、破碎腔高、适应物料硬度高，破碎比大，可达40%，因此可以简化破碎流程，可使三段破碎变成两段或一段破碎，降低选矿厂设备费用。
- The space between the hammer and impact plate can be adjusted so that the discharging granularity can be controlled effectively and the particle is uniform in shape, the material is crushed along the joint surface, so the power consumption is less and the working efficiency is high.
- Non-key connected, easy maintenance, economical and reliable, all crushing function with high capacity, the wear of machine parts is reduced so the benefits is high, high chrome hammer is shock resistance and wear resistance with big impact force.
- Simple in structure, small in size, light weight, high capacity and low cost. The feeding gate is big, crushing cavity is high and fit in hard material crushing, crushing ratio is as high as 40, so the crushing process is simplified which can reduce the times of crushing, which can reduce the cost of the equipment.



锤式破碎机是直接将最大粒度为700mm以下的物料破碎至小于等于25mm的一段破碎用破碎机。锤式破碎机适用于在水泥、化工、电力、冶金等工业部门破碎中等硬度的物料，如石灰石、炉渣、焦炭、煤等物料的中碎和细碎作业。

Hammer mill is used for the primary crushing that can crush material of maximum particle of 700mm to less than 25mm. The hammer mill is used widely for the secondary and fine crushing of mid-hard material, such as limestone, slag and coal. It is prevalent in cement, chemical, electric power and metallurgy industry.



技术参数 Technical Data

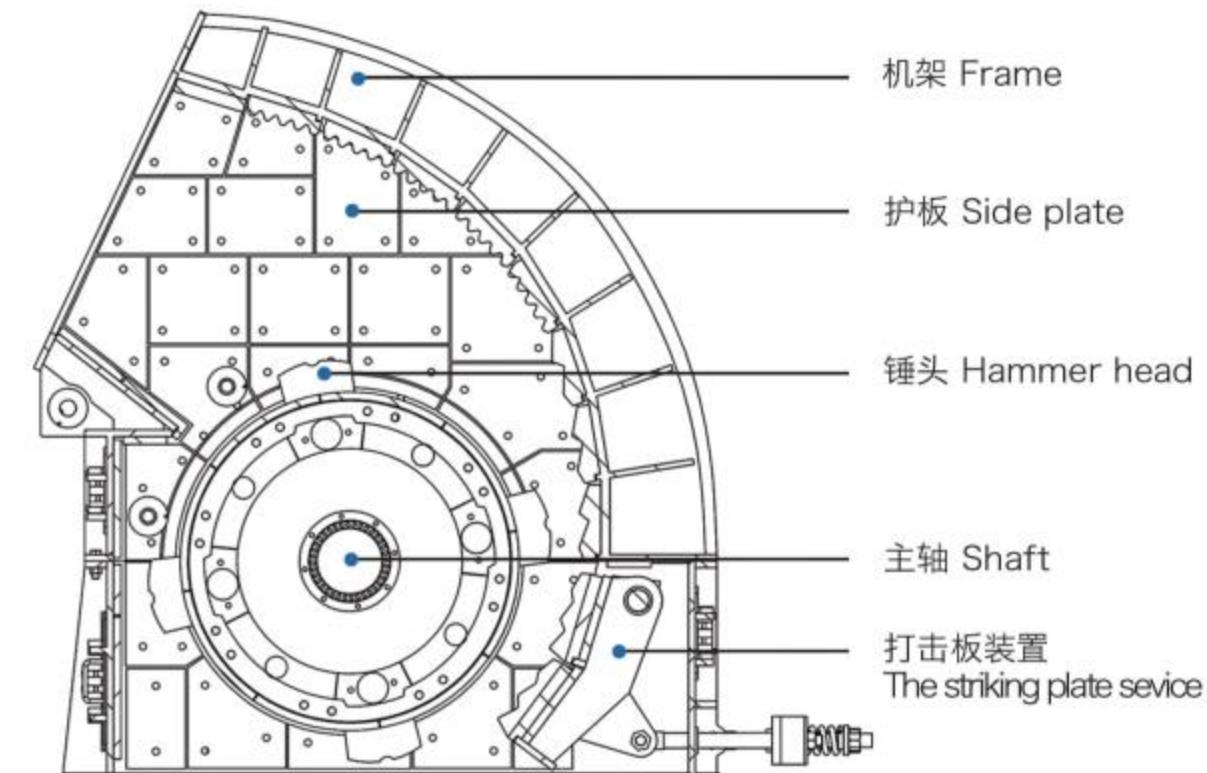
型号 Model	进料粒度 Input size (mm)	出料尺寸 Output Size (mm)	生产量 Capacity (t/h)	电机功率 Motor power (kw)	外形尺寸 Overall Dimension (mm)
PC-375×300	≤100	0-15	0.6-1.5	5.5	960×840×890
PC-850×800	≤400	10-60	40-60	45	1480×1565×1570
PC-850×1000	≤400	10-60	50-80	55	1480×1765×1570
PC-1000×1000	≤550	10-60	60-100	75	1930×1835×2060
PC-1000×1200	≤550	10-60	80-120	110	2090×1835×2060
PC-1000×1400	≤550	10-60	100-150	110	2330×1835×2060
PC-1200×1500	≤550	10-60	130-200	132-160	2625×2120×2460
PC-1200×1800	≤550	10-60	150-240	160-220	2965×2120×2460
PC-1500×1800	≤650	10-60	220-400	200-280	3020×2480×2795
PC-1500×2000	≤650	10-60	240-460	280-315	3270×2480×2795
PC-1800×2000	≤700	10-60	240-680	500	3410×2948×3430
PCX-1400×1200	≤100	0-10	70-100	200-220	2200×2460×2610

优势特点 Advantages

1. 工作锤头，采用新工艺铸造，耐磨、耐冲击，可根据客户要求，条件需要的粒度。
2. 锤破机体机构密封，解决了破碎车间的粉尘污染和机体漏灰问题。
3. 整体设计造型美观，结构紧凑，易损件少，维修方便等优点，是升级换代产品。
1. The hammer is cast by the new technology with the character of wear resistance and impact resistance, the particle can be adjusted according to the needs of customers.
2. The sealed machine body can solve the dust pollution and ash leak problem.
3. Attractive appearance, compact structure, less wearing parts, easy maintenance, upgrade and update machine.

新型重型锤式破碎机主要用于破碎抗压强度不超过150兆帕的软岩类石料。主要用于石灰石，炉渣，煤矿等物料。和传统锤破相比，新型重型锤破有产量更高，易损件使用寿命更长，更易于维护等优势。

The new heavy hammer crusher is mainly used for crushing soft rock materials with compressive strength not exceeding 150 MPa. Mainly used for limestone, slag, coal mine and other materials. Compared with traditional hammer crusher, the new type of heavy hammer crusher has the advantages of higher production, longer service life of wearing parts, and easier maintenance.



技术参数 Technical Data

型号 Model	转子直径*长度 Rotor diameter * length (mm)	进料口尺寸 Input port size (mm)	进料粒度 Max. feeding size (mm)	电机功率 Motor Power (kw)	生产能力 Production (t/h)	外型尺寸 Overall dimensions (mm)
HSPCZ1512	1500×1160	1200×900	≤600	160×2	250-350	3220×2520×2800
HSPCZ1615	1675×1510	1480×1200	≤650	220×2	400-700	3665×2915×3440
HSPCZ1820	1800×1964	2000×1200	≤800	710-900	800-1500	3474×3822×3520
HSPCZ2125	2100×2486	2600×1690	≤1200	1250	2000-2800	5057×4565×4666

优势特点 Advantages

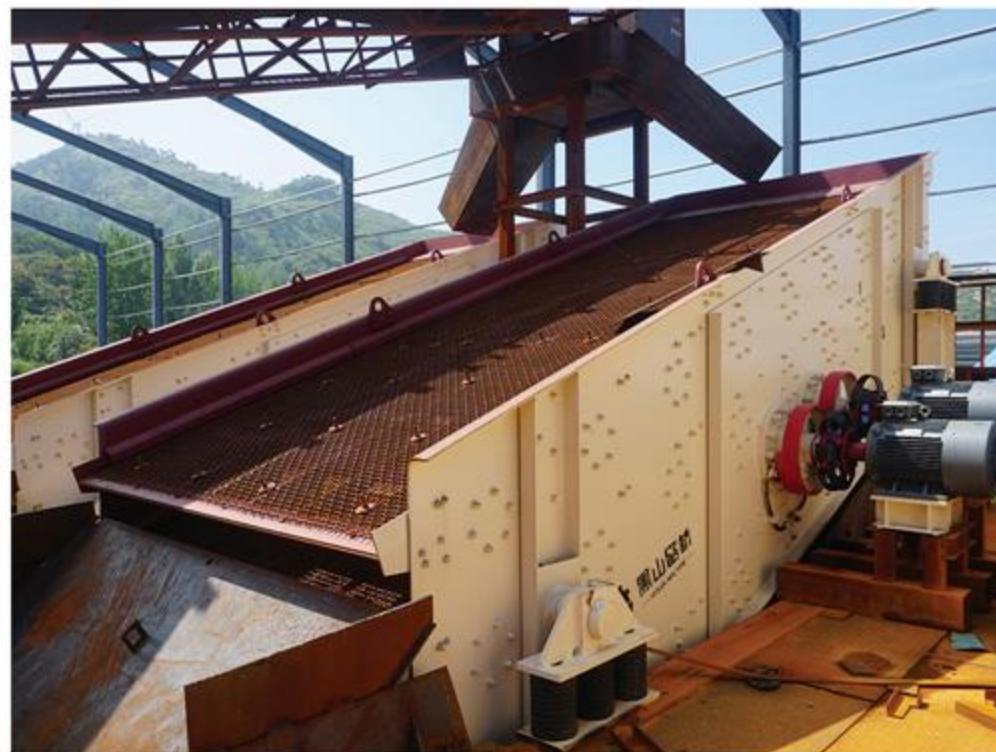
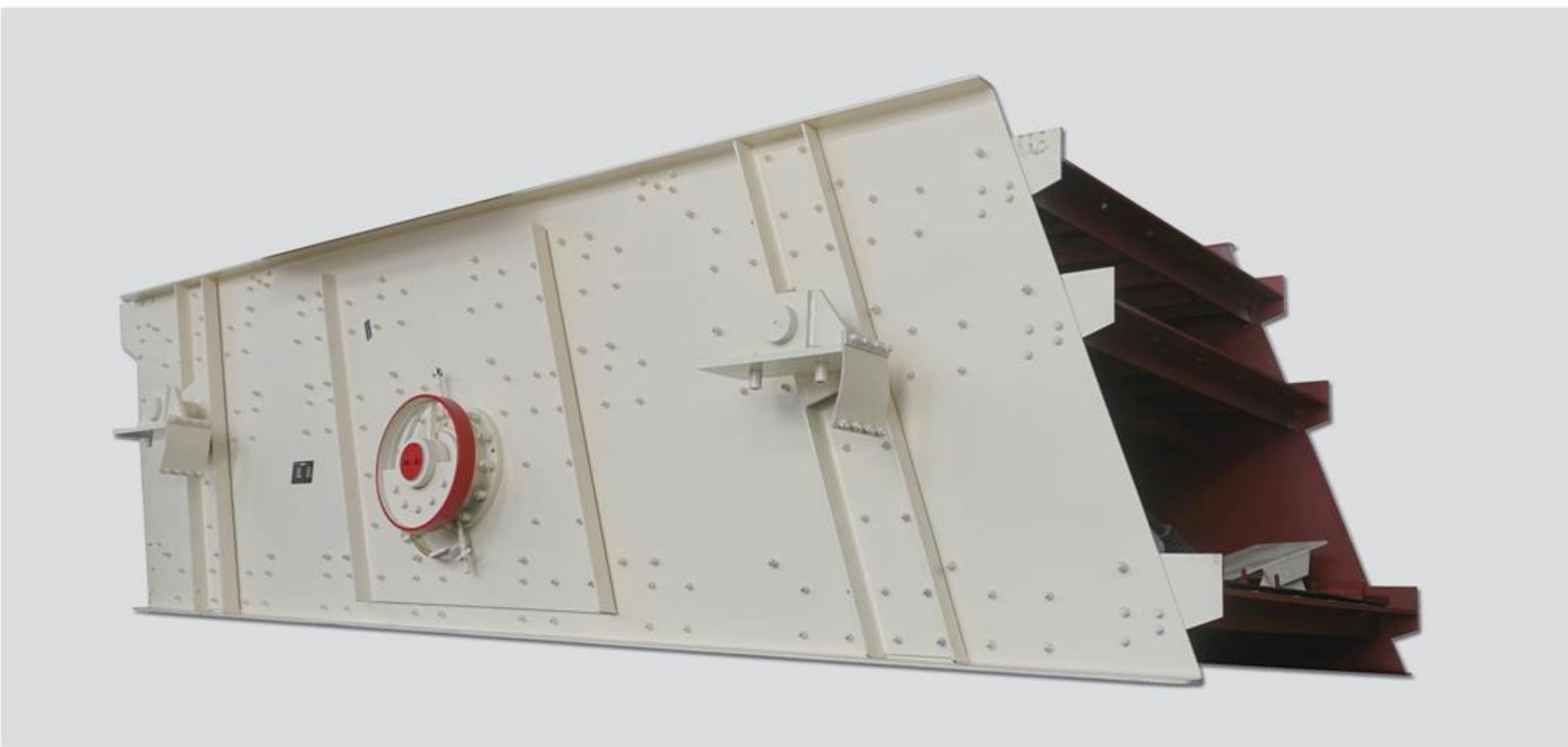
1. 出料粒度可调节，进料粒度大，结实耐用，方便维护。
2. 改变了篦条控制出料粒型大小的方式，用扳手或者液压调节螺栓即可完成调节。
3. 加固的全身锤盘结构，寿命提高5倍以上。
4. 大型设备配备液压抽轴装置，便于换锤头及穿锤轴耐磨损件采用螺栓紧固，拆卸方便。
1. Adjustable output size, large feed stone size, durable and easy to maintain.
2. Changed the way of the purling controls the size of the outputs. Adjustment can be done with a wrench or a hydraulic adjustment bolt.
3. Reinforced full-body hammer-disk structure with a lifespan of more than 5 times.
4. Equipped with hydraulic pumping device, easy to change hammer head and hammer shaft, wear-resistant parts are fastened by bolts, disassembled convenience.

圆振动筛系列为多层座式圆振动筛，采用筒体式偏心轴激振器及偏块调节振幅，物料筛淌线长，筛分规格多，是专门为采石厂筛分石料设计的，也可供矿山、选煤、选矿、建材、电力及化工部门等作产品分级用。

Vibrating screen is a multi-layer circular vibrating screen, which adopts cylindrical eccentric shaft exciter and partial block to adjust the amplitude. The material screening line is long and a large number of screening specification. It is specially designed for screening stone quarryworks, and it is also can be used for product grading in mining, coal preparation, ore dressing, building materials, power and chemical industries.

优势特点 Advantages

1. 结构先进，振动噪音小。 Advanced structure, low vibration noise.
2. 激振力强，筛分效率高。 Strong excitation force, high screening efficiency.
3. 坚固耐用，维修方便。 Durable and easy to repair.



技术参数 Technical Data

型号 Model	筛面规格 Spec. of screen (mm)	筛孔尺寸 Sieve pore size (mm)	筛面层数 Layers	最大给料尺寸 Max. feed size (mm)	处理能力 Capacity (t/h)	电机功率 Motor (kw)	电动机转速 Motor rotation speed (r/min)	双振幅 Double amplitude (mm)
2YK-1548	1500×4800	5-120	2	150	30-100	18.5	960	8
3YK-1548	1500×4800	5-120	3	150	30-120	22	960	8
2YK-1860	1800×6000	5-120	2	150	50-150	18.5	960	8
3YK-1860	1800×6000	5-120	3	150	50-200	22	960	8
4YK-1860	1800×6000	5-120	4	150	80-250	30	960	8
2YK-2160	2100×6000	5-120	2	150	60-170	22	740-960	8
3YK-2160	2100×6000	5-120	3	150	100-250	30	740-960	8
4YK-2160	2100×6000	5-120	4	150	100-280	37	740-960	8
2YK-2270	2200×7000	5-120	2	150	80-200	30	740-960	8
3YK-2270	2200×7000	5-120	3	150	100-260	37	740-960	8
4YK-2270	2200×7000	5-120	4	150	110-280	45	740-960	8
2YK-2460	2400×6000	5-120	2	150	100-200	30	740-960	8
3YK-2460	2400×6000	5-120	3	150	110-250	37	740-960	8
4YK-2460	2400×6000	5-120	4	150	120-280	45	740-960	8
2YK-2470	2400×7000	5-120	2	150	150-280	30	740	8
3YK-2470	2400×7000	5-120	3	150	150-280	37	740	8
4YK-2470	2400×7000	5-120	4	150	150-300	45	740	8
2YK-3060	3000×6000	5-120	2	150	180-420	18.5×2	740	8
2YK-3080	3000×8000	5-120	2	150	180-480	22×2	740	8
3YK-3080	3000×8000	5-120	3	150	180-500	30×2	740	8
2YK-3072	3000×7200	5-120	2	150	180-450	22×2	740	8
3YK-3072	3000×7200	5-120	3	150	180-480	22×2	740	8
4YK-3072	3000×7200	5-120	4	150	250-600	30×2	740	8
2YK-3272	3200×7200	5-120	2	150	200-500	22×2	740	8
2YK-3675	3600×7500	5-120	2	150	200-1000	30×2	740	8
3YK-3675	3600×7500	5-120	3	150	200-1000	37×2	740	8
2YA-1230	1200×3000	5-120	2	150	20-80	11	960	6
3YA-1230	1200×3000	5-120	3	150	20-100	15	960	6
2YA-1548	1500×4800	5-120	2	150	30-100	18.5	870	8
3YA-1548	1500×4800	5-120	3	150	30-120	22	870	8
2YA-1860	1800×6000	5-120	2	150	50-150	18.5	870	8
3YA-1860	1800×6000	5-120	3	150	50-200	22	870	8
4YA-1860	1800×6000	5-120	4	150	80-250	30	870	8
2YA-2160	2100×6000	5-120	2	150	60-170	22	870	8
3YA-2160	2100×6000	5-120	3	150	100-250	30	870	8
4YA-2160	2100×6000	5-120	4	150	100-280	37	870	8
2YA-2270	2200×7000	5-120	2	150	80-200	30	870	8
3YA-2270	2200×7000	5-120	3	150	100-260	37	870	8
2YA-2460	2400×6000	5-120	2	150	100-200	30	890	8
3YA-2460	2400×6000	5-120	3	150	110-250	37	890	8

板式喂料机 Apron feeder



板式给料机为连续输送物料机械的一种，广泛应用大型料仓下面，将大体积物料，短距离均匀，连续的输送给各种破碎设备。它可以完美的解决大中型生产线中关于输送松散，块状，给料量大等物料的问题，尤其对运送大块，高温和尖锐的物料最为适合，并能在露天和潮湿恶劣的环境下可靠地工作。目前该机凭借卓越的性能优势已被广泛应用于水泥，建材，冶金，矿山等工业部门。

Apron feeder is one of the machines for continuously transporting material. It is widely used to transport large-volume materials to various crushing equipment uniformly and continuously in a short distance. Apron feeder can perfectly solve the transportation problem of loose and block materials as well as large feeding quantity problem in large and medium production lines. It is especially suitable for transporting large, high temperature and sharp materials, and it can reliably work in harsh and humid outdoor environments. Now the apron feeder has been widely used in cement, building materials, metallurgy, mining and other industrial sectors for its superior performance advantages.

优势特点 Advantages

适用范围广，对具有锋利棱角的和对运输机有强烈磨损性的物料或成件物品都可以输送，而且物料块状（粒度）大。还适宜输送400°C以下的高温物料，承载能力大，槽板采用冲压焊接结构，能适应更大密度比物料的输送，密闭性能好，在运行和卸料过程中不撒料和漏料，运行平稳可靠，噪声小，使用寿命长，维修方便。

Wide application, it can transport material and goods that have sharp edges. And large materials are available. It is also suitable to convey high temperature materials that are below. Large carrying capacity. The slot board adopts stamping and welding structure, being able to adapt the delivery of denser materials. Good airtight performance. It does not spread and leak materials during running and unloading process, smooth and reliable operation and low noise, long durability and easy maintenance.

型号 Model	槽板宽度 Plate width	头尾轮轴中心距 Axe base of chain plate (mm)	喂料料粒度 Feeding size (mm)	处理能力 Capacity (t/h)	电机功率 Power (kw)
BZW1250	1200	5000	≤600	120-450	15
BZW1560	1500	6000	≤800	200-1000	18.5
BZW1880	1800	8000	≤1300	500-1300	30

ZSW振动给料机 ZSW Vibrating Feeder

振动给料机在生产流程中，可把块状、颗粒状物料从贮料仓中均匀、定时、连续地到受料装置中去，在砂石生产线中可为破碎机械连续均匀地喂料，并对物料进行粗筛分，广泛用于冶金、煤矿、建材、化工、磨料等行业的破碎、筛分联合设备中。

A vibratory feeder is an instrument that uses vibration to “feed” granular, nubby material to a process or machine continuously and uniformly during the work process. It can feed and coarsely screen the material in the sand production line. It used widely for the crushers and screening combination plant in metallurgy, coal mine, beneficiation, construction, chemical and abrasive industry and so on.



优势特点 Advantages

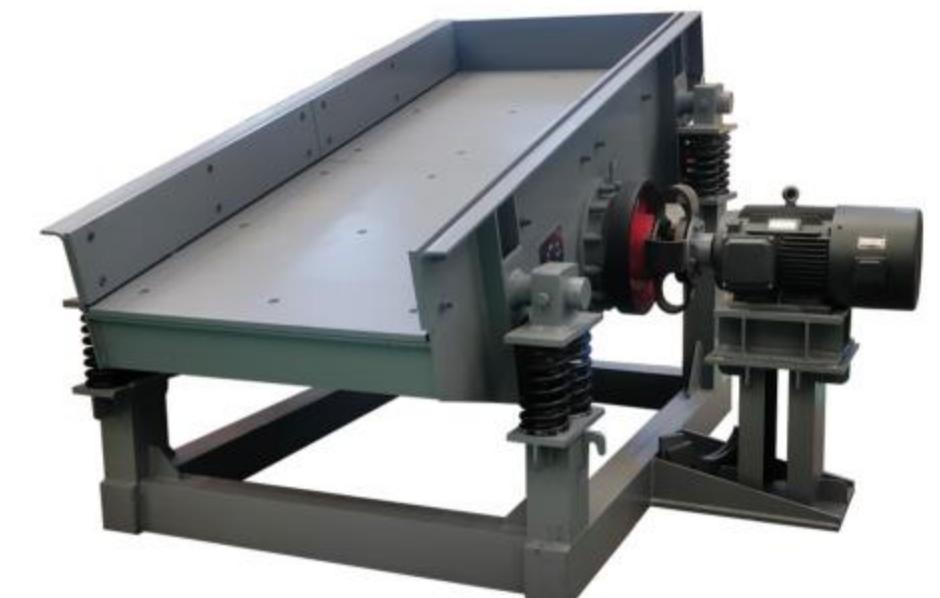
1. 振动平稳，工作可靠，耐磨件比较多，栅条间隙可调，特殊栅条设计，可防止物料堵塞。
2. 防止耐磨件被小料磨损，把小料分出来，增加产量，可选装变频调速电机，调节频率，从而改变产量，便于控制给料量，无需频繁启动电机。
1. Steady vibration, reliable work, more wear-resistant parts, gap between grids can be adjusted, special grid design protects the material from blocking
2. Protect the wear-resistant parts from wearing by the cobbling, increase the capacity by separating the cobbling, frequency variable motor is optional; the capacity and feeding volume can be controlled by regulating the frequency, there is no need to start the machine frequently.

型号 Model	最大进料粒度 Biggest feeding granularity (mm)	转速 shaft speed (r/min)	处理能力 Capacity (t/h)	电动机功率 Motor power (kw)
ZSW380×95	500	500-750	150-300	15
ZSW420×110	600	500-800	160-380	18.5
ZSW490×110	600	500-800	160-380	22
ZSW490×120	600	500-800	160-380	22
ZSW500×150	600	500-800	240-480	37
ZSW600×130	700	500-800	320-600	30
ZSW600×140	700	500-800	400-700	37
ZSW600×150	700	500-800	400-700	37
ZSW600×160	700	500-800	400-700	45

ZDW料仓给料机 ZDW Hopper Feeder

ZDW系列单轴振动给料机主要由弹簧支架、振动机架、激振器、弹簧、电机座及电机等组成。激振器是由偏心轴、轴承等零件组成，装配时必须保证料斗能够自由摆动。

ZDW series single shaft vibrating feeder is mainly composed of spring bracket, vibration frame, exciter, spring, motor seat and motor. The exciter is composed of eccentric shaft, bearing and other parts. During assembly, the hopper must be able to swing freely.



型号 Model	最大进料粒度 Biggest feeding granularity (mm)	转速 shaft speed (r/min)	处理能力 Capacity (t/h)	电动机功率 Motor power (kw)	重量 Weight (kg)
ZDW-2510	300	960	100-350	11	2500
ZDW-2512	350	960	100-450	15	2800
ZDW-2514	350	960	100-550	15	3200
ZDW-3012	350	960	150-450	18.5	3160
ZDW-3014	350	960	150-450	18.5	3500

本公司生产的胶带输送机具有输送量大，结构简单，维修方便，部件标准化等优点。它广泛地应用在矿山，冶金，煤炭等部分用来输送松散物料或成件物料，根据输送工艺的要求，可以单台输送，也可以多台组成或者与其他输送设备组成水平或倾斜的输送系统，以满足不同布置型式的作业需要。胶带输送机可在环境温度-20℃至+40℃范围使用，输送物料的温度在50℃以下。

Our belt conveyor has advantages such as big delivery value, simple structure, convenient maintenance, part standardization and etc. It is widely used to deliver the loose material or unit material in mine, metallurgy, coal and other industries. According to the technological requirement, the material can be delivered by one conveyor, can also be delivering equipment in order to meet the requirement of various layout types of operation line. The conveyor can be used when the environmental temperature is from -20°C to +40°C, and the temperature of the conveyor should be under 50°C.

型号 Model	带宽 Belt Width (mm)	倾角 Angle (°)	带速 Belt Speed (m/s)	输送量 Capacity (t/h)	功率 Power(kw) L<30M
B500	500	0-17	1.0-2.0	100-200	4-7.5
B650	650	0-17	1.0-2.0	190-380	4-11
B800	800	0-17	1.0-2.0	300-600	5.5-18.5
B1000	1000	0-17	1.0-2.0	490-900	7.5-22
B1200	1200	0-17	1.0-2.0	730-1400	11-30



01

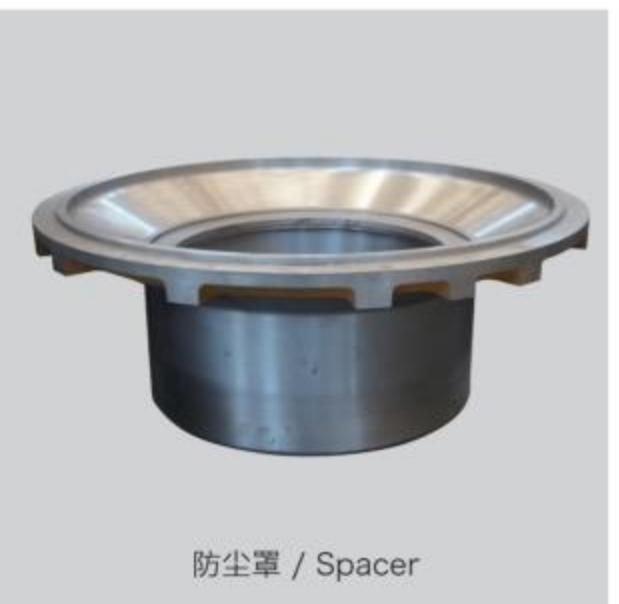
碳钢系列
Carbon steel series

颚破机架、动颚、单缸圆锥破机架、躯体、油缸、支撑环、防尘罩、臂架衬套。
Jaw crusher frame, moving jaw, cone crusher shell, headcenter, hydro cylinder, support ring, spacer, spacer bushing, etc.

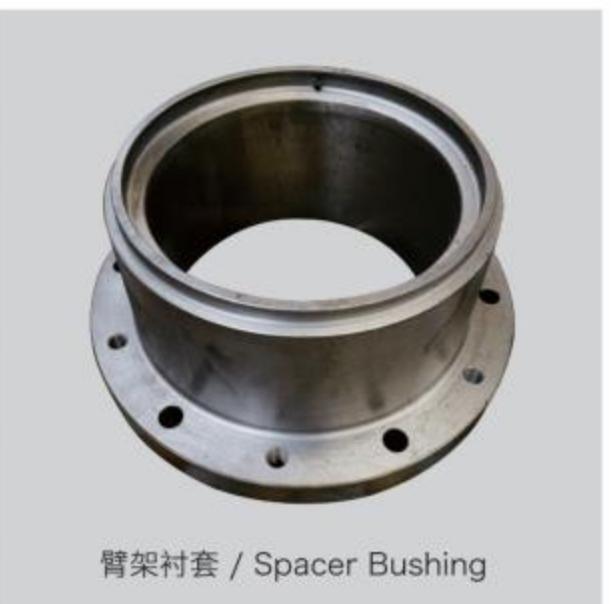
02

高锰钢系列
High manganese steel series

轧臼壁、齿板、边护板、板锤、筛板、锤头等。
Concave&mantle, jaw plate, side plate, blow bar, cribriform plate, hammer head, etc.



防尘罩 / Spacer



臂架衬套 / Spacer Bushing



油缸盖 / Hydro Cylinder Cover



外螺母 / Outside Nut



定锥支撑环 / Support Ring



大齿轮架 / Big Gear Rack



单缸圆锥衬板 / Concave&Mantle



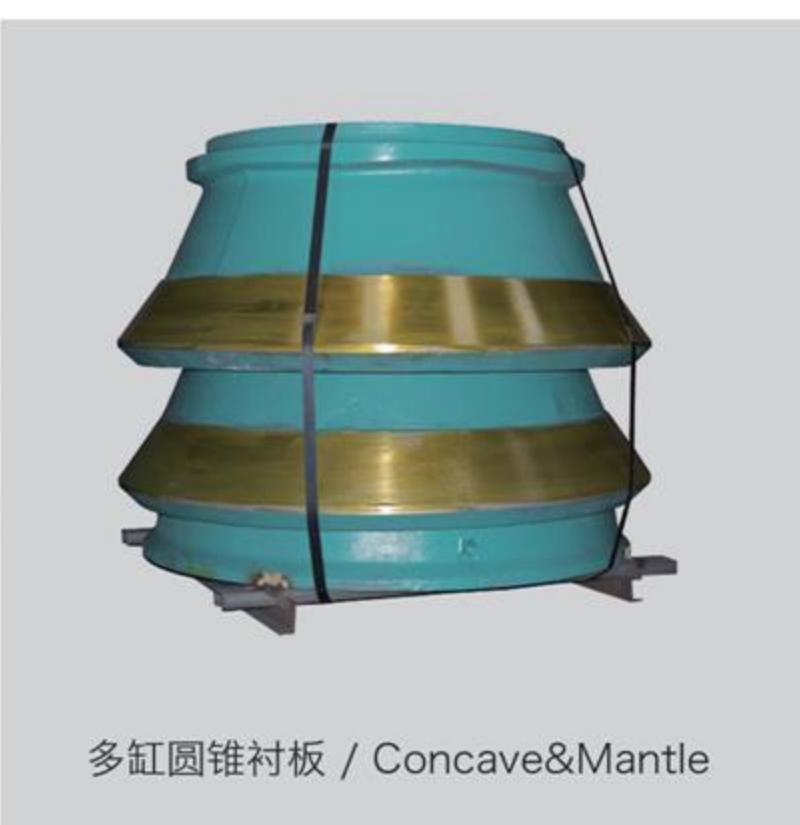
单缸圆锥衬板 / Concave&Mantle



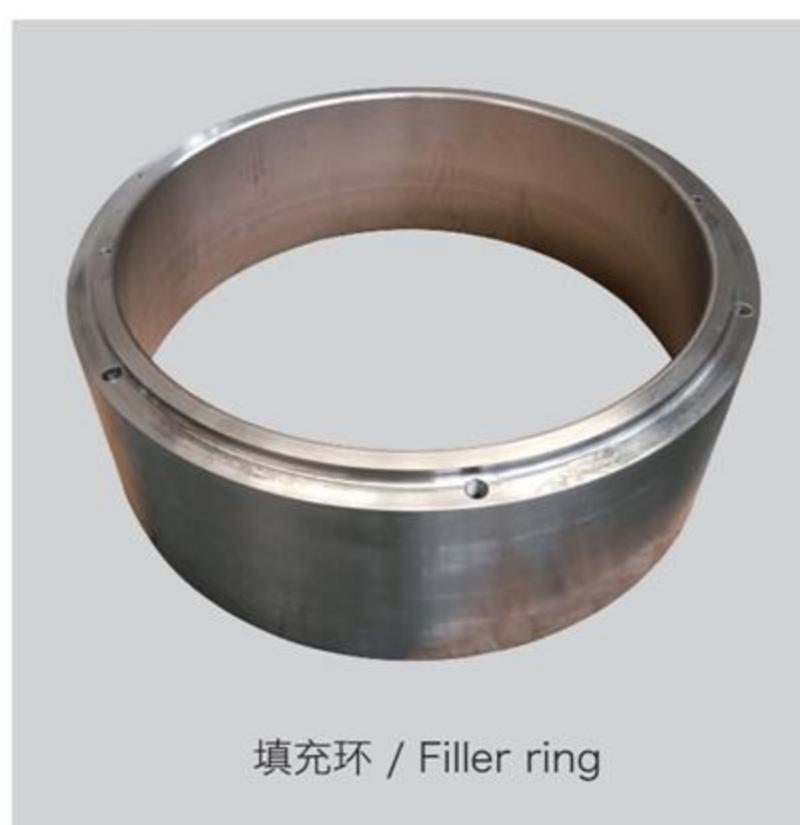
锤头 / Hammer Head



锤头 / Hammer Head



多缸圆锥衬板 / Concave&Mantle



填充环 / Filler ring



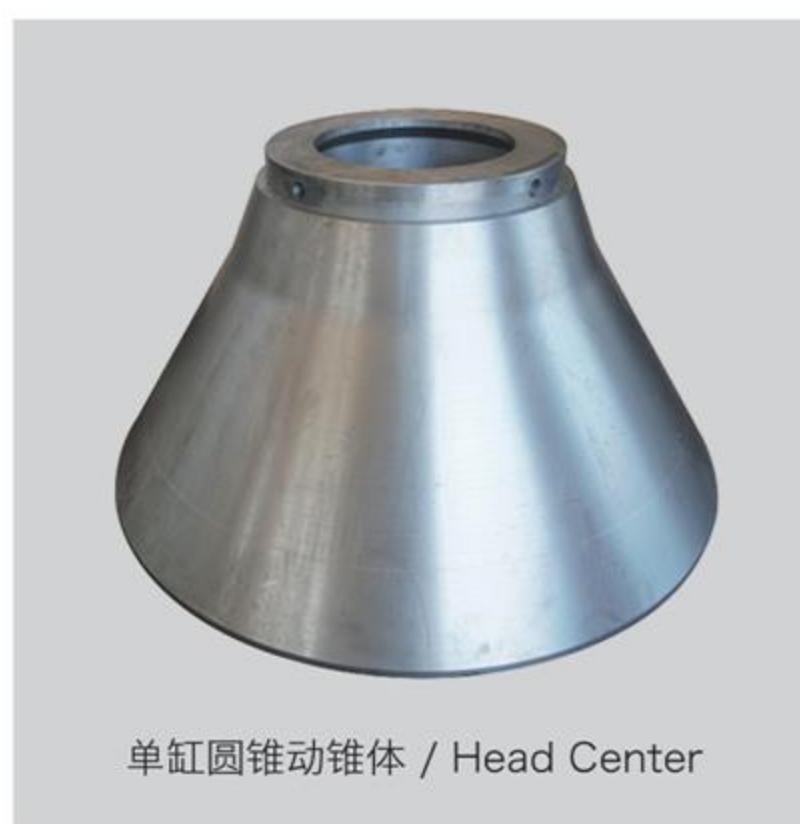
板锤 / Blow Bar



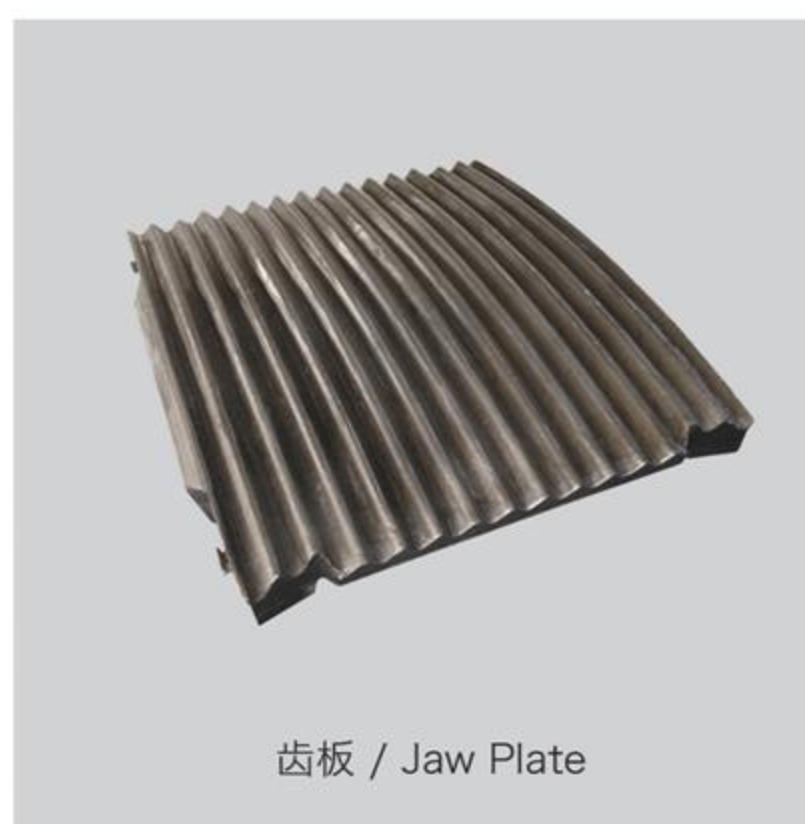
筛板 / Cribriform Plate



多缸圆锥动锥体 / Head Center



单缸圆锥动锥体 / Head Center



齿板 / Jaw Plate



边护板 / Side plate



花岗岩350-400吨/小时生产线
Granite 350-400TPH Production Line



花岗岩200吨/小时机制砂生产线
Granite 200TPH Machine-Made Sand Production Line



花岗岩800-1000吨/小时生产线
Granite 800-1000TPH Production Line



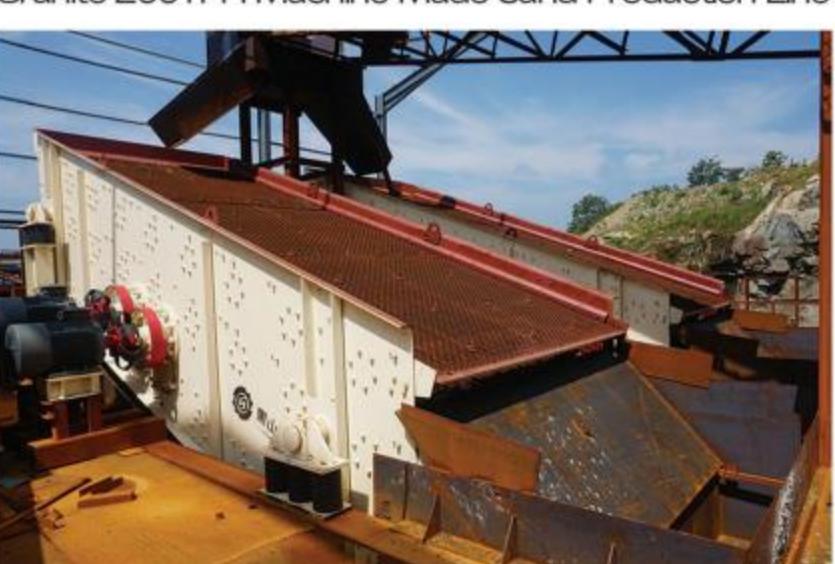
花岗岩600吨/小时生产线
Granite 600TPH Production Line



锰矿石200吨/小时生产线
Manganese Ore 200TPH Production Line



花岗岩200吨/小时机制砂生产线
Granite 200TPH Machine-Made Sand Production Line



花岗岩600吨/小时生产线
Granite 600TPH Production Line