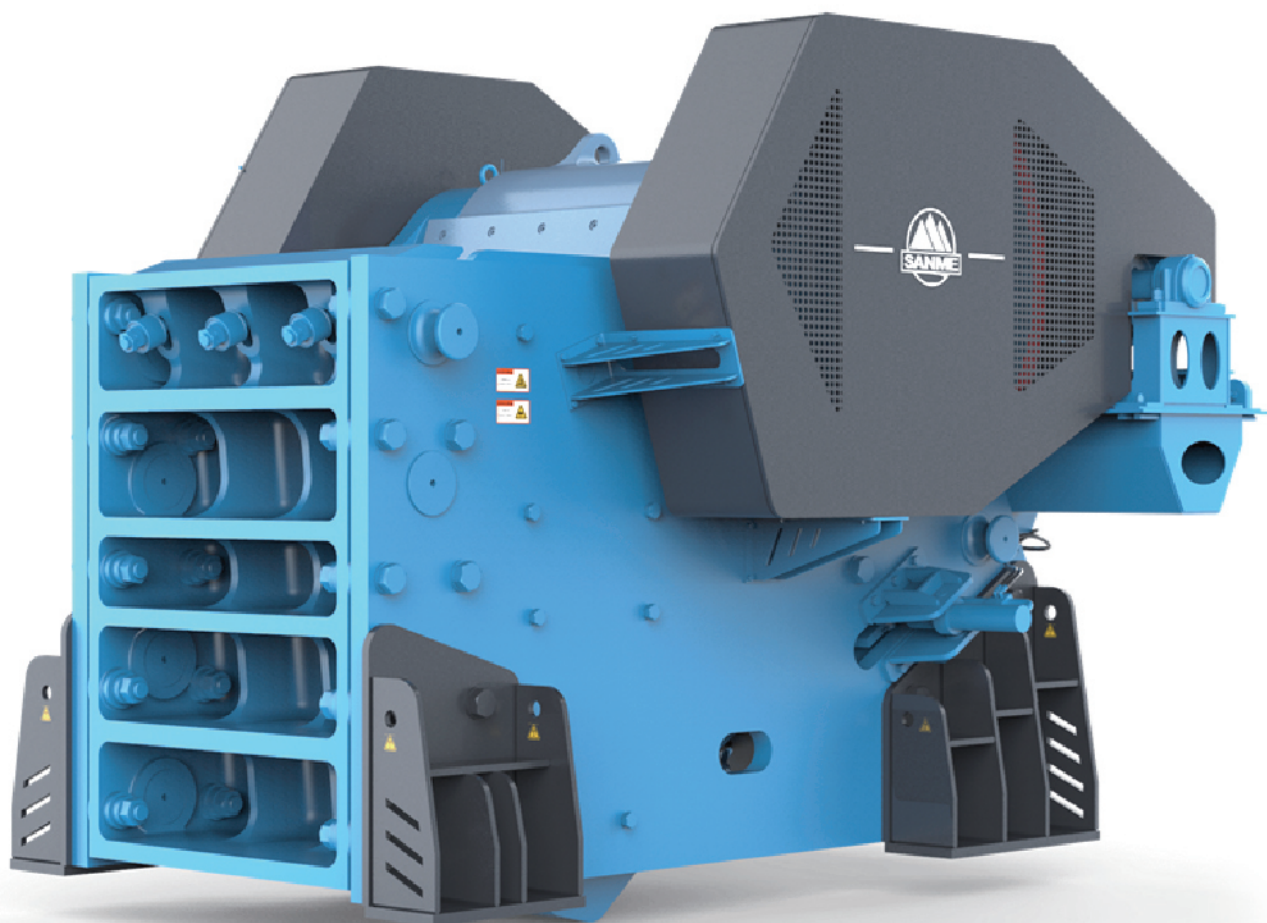




山美

# JC 欧星系列 颞式破碎机

JC Series Jaw crusher



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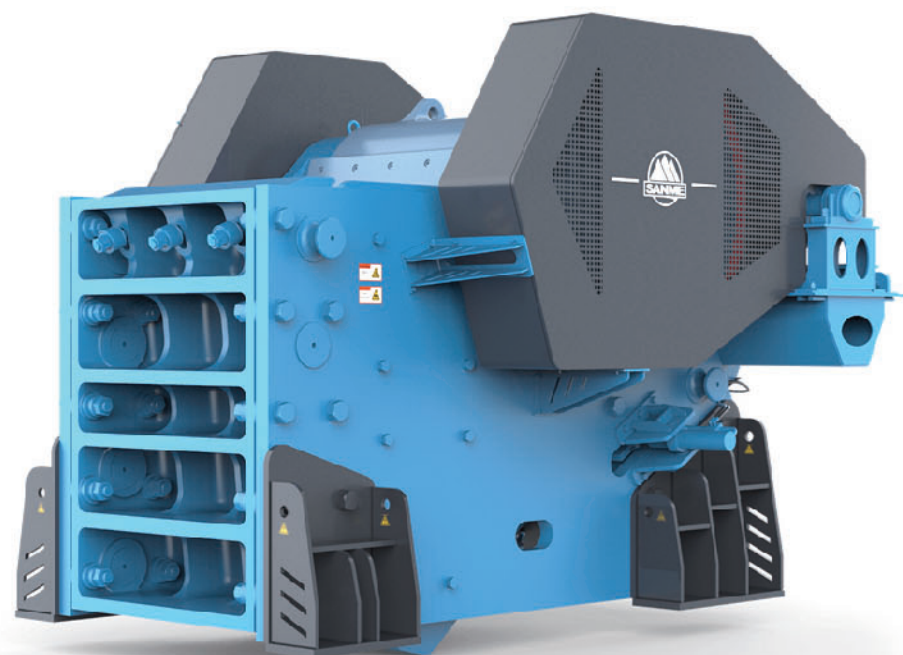


## JC欧星系列颚式破碎机

### JC Series Jaw Crusher

JC欧星系列颚式破碎机主要作为粗碎破碎机用于砂石骨料生产、矿物加工和建筑固废资源化领域。该产品系列具有多种不同型号，可以满足广泛应用的高要求，在保证可靠性、破碎比、生产能力的同时，实现低运营成本和高效益。

JC series jaw crushers are mainly used as primary crushers in aggregates production, mining operations and recycling applications. The product range is available in a wide variety of models to meet the high requirements of a wide range of applications, achieving low operating costs and high efficiency while maintaining reliability, crushing ratio and production capacity.

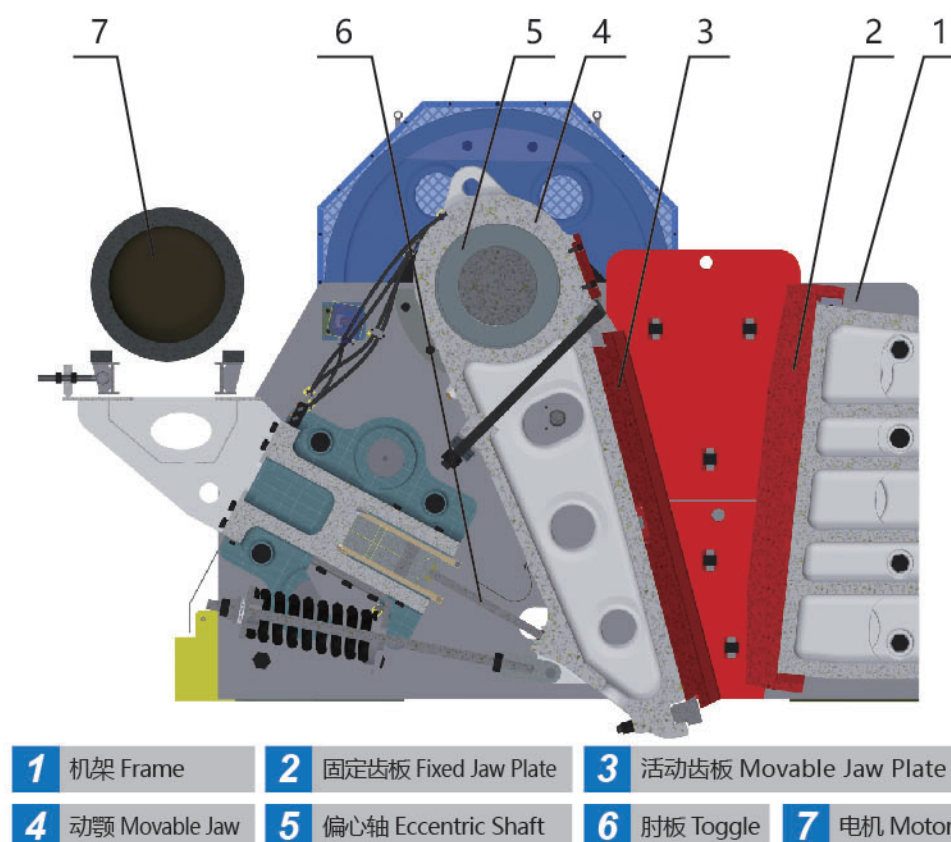


JC欧星系列颚式破碎机是采用专业的破碎技术和研究成果，在几十年的颚式破碎机设计制造经验的基础上，采用有限元分析方法成功开发的新一代产品。与传统的颚式破碎机相比，JC欧星系列颚式破碎机在设计和制造方面对细节更为重视，采用高强度材料及专业的制造工艺，具有结构强度更高、设备可靠性更高、破碎比更大、产量更高、综合加工成本更低等优势。

JC series Jaw Crusher has adopted professional crushing technology and research achievement, it is the new crusher which is successfully developed by using finite element analysis method based on years' experience on jaw crusher design and manufacture. Compared with traditional jaw crusher, JC series Jaw Crushers pay more attention to the details. Adopt high-strength material, first-class manufacturing process, and the JC series Jaw Crushers provide the professional of excellent-strength structure, reliable equipments, higher crushing ratio, bigger capacity and lower cost.

## JC欧星系列颚式破碎机主要特点

### Features and Benefits



#### 坚固的结构

机架分为焊接式和组装式两种：中小型规格一般采用焊接式，大型规格一般采用组装式。

焊接式采用大弧度过渡圆角、低应力区焊接方式，大大降低了应力集中，保证了机架在各方向强度的均等，具有耐冲击性、受力均匀、低故障率等特点。

组装式采用模块化、无焊接框架结构设计，强度和可靠性高，同时整机组装式设计，运输、安装更加方便，特别适用于地下矿井、高海拔矿山等狭小、运输困难场所安装。

#### Sturdy Structure

Two kinds of Frames: Welded and Packaged. Usually, Small and medium sized model adopts welded, large model adopts packaged.

Welded frame adopts wide transitional round edge, significantly reducing the stress concentration, ensure the frame under equal strength. It owns the features of good impact resistance and low failure rate, bears same pressure, etc.

Packaged frame uses advanced modularization, no-welding frame structure design, high endurance strength and reliability. The whole set assembling design is convenient for the transporting and installation, especially suitable for installation of underground mine shaft, high altitude mine, as well as other narrow and difficult transporting place.



#### 优越的腔型设计，进料粒度大

采用对称“V”形腔设计，肘板大倾角、大冲程，比传统 PE 系列颚破进料粒度更大、产量更高、粒度更加均匀，颚板磨损降低。

#### The optimized cavity design enables excellent material feeding capacity

The cavity is engineered in symmetrical “V” type, providing a good steep angle of the toggle plate and a long stroke, which enables a large size of feeding material, high output and better gradation also reduces wear on the jaw plate comparing with traditional PE Series Jaw Crushers.



# JC欧星系列颚式破碎机主要特点

## Features and Benefits

**3 重型动颚总成经久耐用**  
重型动颚总成采用锻造的重型偏心轴、高质量重载滚动轴承，有限元软件优化的动颚体保证了动颚总成耐冲击性和稳定性高；迷宫式密封、集中润滑系统保证了轴承油脂不被污染、润滑更加便捷，使其运行时间更长。

**Long Working Life of the Heavy-duty Movable Jaw Assembly**  
Heavy-duty Movable Jaw Assembly adopts heavy-duty eccentric shaft, high quality heavy-load rolling bearings and finite element software optimized movable jaw plate ensuring impact resistance and high stability of moving jaw assembly; labyrinth seal and centralized lubrication system guarantee the bearing lubrication oil is not contaminated and lubrication becomes more convenient. Therefore the assembly can have a long working time and stability.

**4 动颚护板设计**  
动颚上方安装了重型护板，可避免物料冲击，有效保护动颚体及其内部轴承不受损坏。

**Shield Design for the Movable Jaw**  
Heavy shield is installed above the movable jaw to avoid the material impact. It can effectively protect the movable jaw and its internal bearing from damaging.

**5 整体轴承座**  
整体铸钢轴承座结构保证与机架完全配合，使轴承运行更加平稳，避免了组合式轴承座在紧固过程中对轴承造成不必要的径向载荷。

**Overall Bearing Support**  
Overall cast steel bearing housing fully compatible with the frame, avoiding the combined bearing housing has a unnecessary radial load on the bearing during the fastening process, making the bearing to run more smoothly.

**6 方便快捷的排矿口调整**  
JC 系列颚式破碎机采用机械或液压方式调整排料口，其双楔块调整方式相对于垫片调整方式操作更加简单、安全、快捷，节省了停机时间。

**Convenient Discharge Setting Adjustment**  
JC series Jaw Crusher adopts mechanical or hydraulic adjustment for the discharge range, compared with shim adjustment, double wedge adjustment operations is simpler, secure, fast, and saves more downtime.

**7 一体化电机安装**  
电机座与破碎机机架一体式安装方式，不仅节省了颚式破碎机的安装空间，而且由于机架、电机座、电机的同步运动、可调的电机座实现了三角带张力的调节，从而使三角带使用寿命更长。

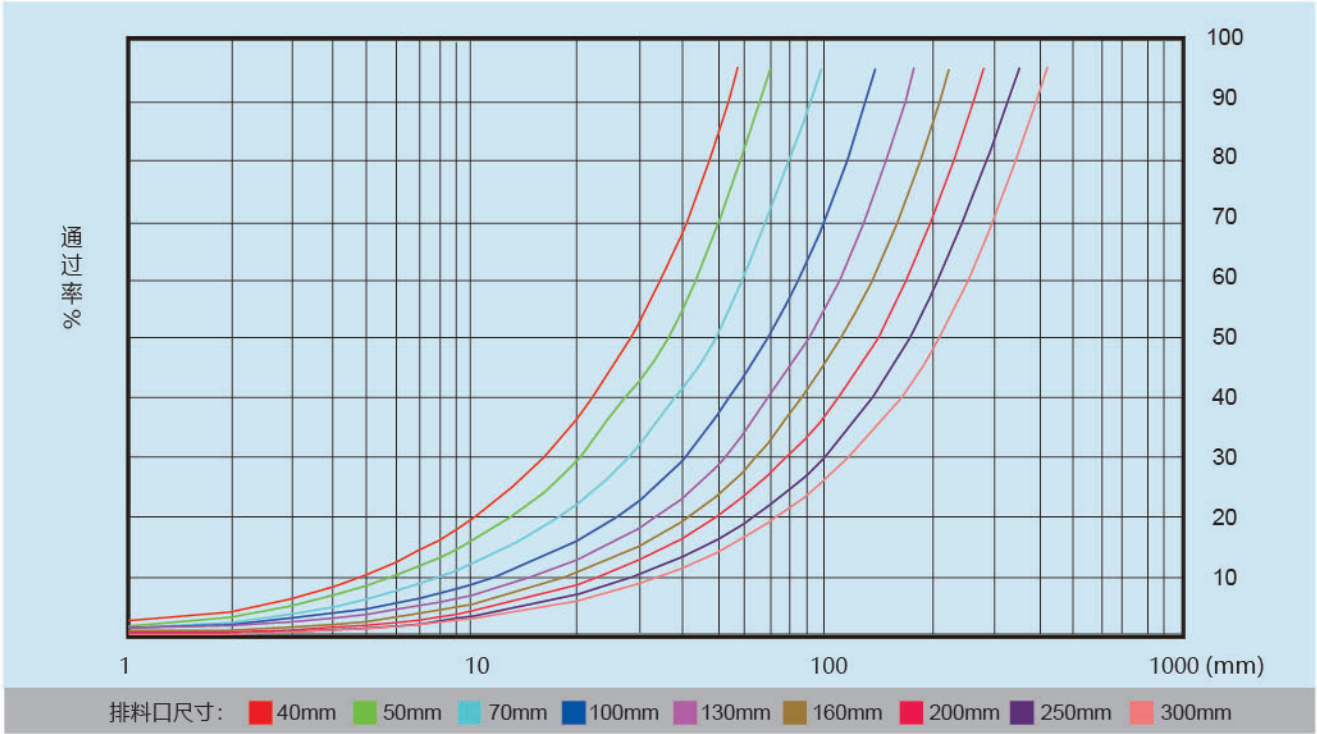
**Integrated Motor Installation**  
Integrated installation of motor seat and frame can not only save installation space, but also can prolong the service life of v-belt, due to the synchronous movement of frame, motor seat, and motor, adjustable motor seat can adjust v-belt tension.

**8 减振安装设计**  
破碎机采用专用的橡胶减震装置固定，有效吸收了设备振动峰值，同时允许破碎机垂直和纵向方向的位移，从而降低了对基础的冲击。

**Vibration Absorption Design**  
Crusher fixed by rubber vibration absorption device, which can effectively absorb vibration peak, while allow the crusher to move vertically and longitudinally, thus reducing the impact on the foundation.

# 粒度分布曲线

## Gradation Curves





设备技术参数  
Technical Data

型号 Model	JC231	JC340	JC3540	JC440	JC443	JC549	JC549(II)	JC5149
给料口宽度 (mm) Feed opening width (mm)	800	1060	1060	1020	1100	1250	1250	1250
给料口深度 (mm) Feed opening depth (mm)	510	600	650	760	850	950	1000	1050
电机功率 (kw) Power (kw)	55-75	75-90	75-90	90-132	132-160	160-200	160-200	160-200
紧边排放口 (mm) Closed side setting (mm)	生产能力 Capacity							
40	50-65							
50	60-80							
60	70-95	85-110						
70	80-110	95-125		120-155				
80	90-125	110-145		140-185	190-250			
90	110-140	125-160		165-215	210-275			
100	125-160	135-175		185-240	235-305			
110	135-180	145-190	120-156	205-270	255-330	315-410		
125	155-205	165-215	145-190	240-310	280-360	350-455		
150	190-250	200-265	185-240	290-380	310-405	410-535		
160		210-275	200-260	315-410	370-480	435-565	480-625	
175		230-300	225-295	345-450	390-505	470-610	520-675	
200			265-345	400-520	425-550	530-690	585-760	
210			280-365		480-625	555-720	610-795	650-825
215			290-380		515-670	565-735	625-815	660-875
225			305-400			615-800	650-845	685-890
250						650-845	715-935	755-985
275							780-1020	810-1055
280							795-1035	825-1070
300							850-1105	870-1125
325								940-1230
350								1010-1310
375								
400								
425								
450								

注： 所列破碎机的生产能力是基于中等硬度岩石的瞬时取样测定结果。以上数据仅供参考，具体项目的设备选型请联系我们的工程师。  
以上数据所表示的破碎机产量，是针对平均比重为2.7t/m³的中等易碎性岩石，给料能顺利进入破碎腔、无架桥卡堵现象，给料剔除小于排放口细料时取小值，含细料时取大值。产量可能随给料方式和物料性质诸如粒度组成，含水含泥量、松散密度和可碎性而变化。

Note: The crusher capacities listed are based on instantaneous sampling of medium hardness rocks. The above data is for reference only, please contact our engineers for equipment selection for specific projects.  
The crusher output shown in the above figures is based on crushing medium fragile rocks with an average specific gravity of 2.7t/m³, when the feed materials enter the crushing chamber smoothly without bridging and blocking. The small value is taken when the feed materials are not smaller than the discharge port. The large value is taken when the fine materials are included in the feed materials.

JC555	JC5155	JC649	JC659	JC663	JC759	JC771	JC771(II)	JC783
1400	1400	1250	1500	1600	1500	1800	1800	2100
1070	1170	1100	1200	1200	1300	1500	1500	1500
160-220	160-220	160-200	200-250	250-355	220-315	315-400	315-400	355-500
生产能力 Capacity								
385-500		400-520						
455-590		460-600	485-630	520-675	480-600	590-770	590-770	
480-625		485-630	515-670	550-715	505-635	630-820	630-820	
520-675		520-675	560-730	595-775	545-685	685-890	685-890	760-990
590-765		580-755	640-830	675-875	615-770	780-1010	780-1010	880-1120
615-800		605-785	670-870	705-915	640-800	815-1060	815-1060	925-1200
630-820		615-800	685-890	720-935	655-820	835-1085	835-1085	950-1235
655-855	755-980	640-830	715-930	750-975	680-850	870-1130	870-1130	995-1295
725-945	825-1070	700-910	790-1030	825-1075	750-940	965-1250	965-1250	1115-1450
	890-1170	760-990	870-1130	900-1170	815-1020	1060-1375	1060-1375	1230-1600
	905-1175	770-1000	885-1150	920-1195	830-1040	1076-1400	1076-1400	1255-1630
	960-1250	820-1065	945-1225	980-1275	885-1105	1150-1495	1150-1495	1350-1755
	1030-1335		1020-1325	1055-1375	950-1190	1245-1615	1245-1615	1470-1910
	1095-1425		1095-1425	1135-1475	1020-1300	1335-1800	1335-1735	1590-2060
							1505-1955	1700-2215
							1595-2100	1820-2370
								1940-2520
								2060-2700

破碎机紧边排料口的检测方法随所用颚板齿型的变化有所不同。它将对破碎机的能力和产品粒度产生影响。以下因素可提高破碎机能力和操作性能：

1. 选用适当的颚板；

2. 适当的给料级配；

3. 可控的给料速率；

4. 充足的给料能力和给料宽度；

5. 充足的破碎机排料区域；

6. 与破碎机最高产量相匹配的排料皮带输送能力。

The method of testing the closed side setting of a crusher varies with the tooth type of jaw used. It will have an effect on the crusher capacity and product size. The following factors can improve crusher capacity and operating performance:

1. Proper jaw plate selection.

2. Proper feed gradation.

3. Controllable feed rate.

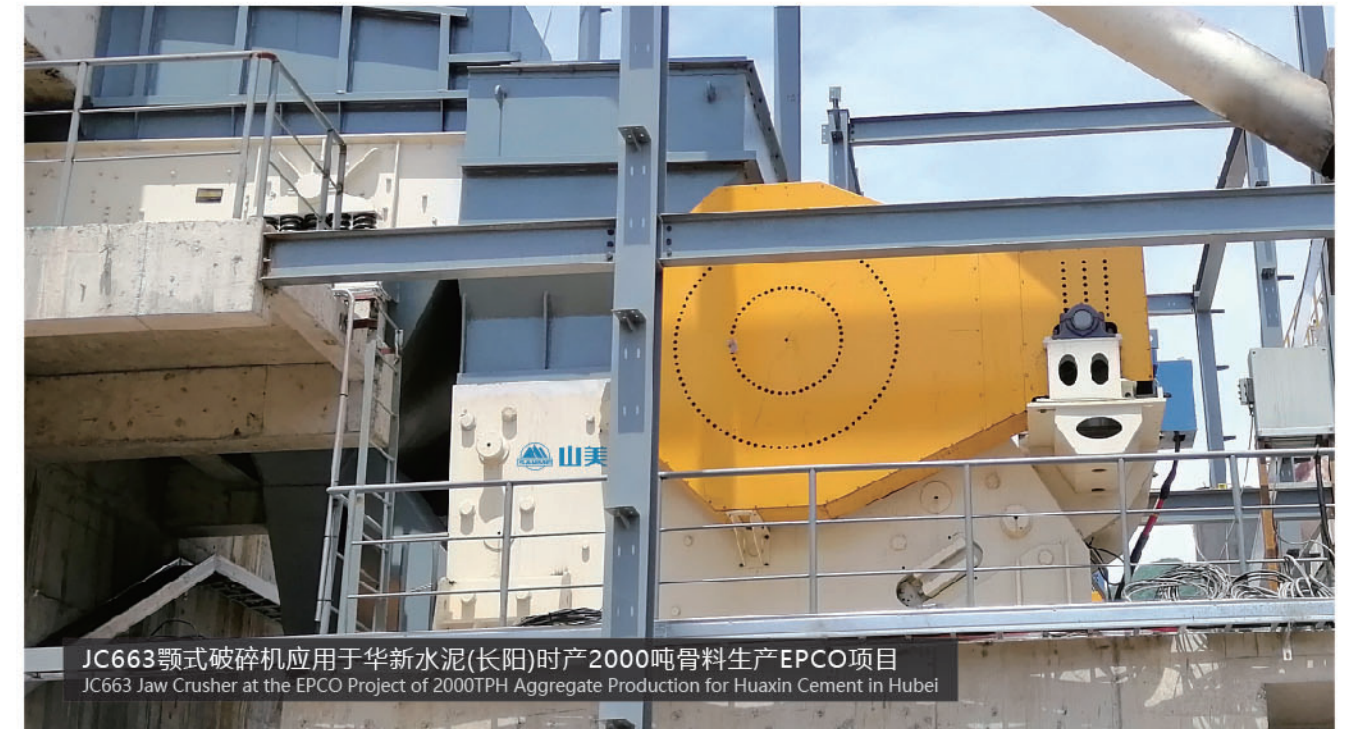
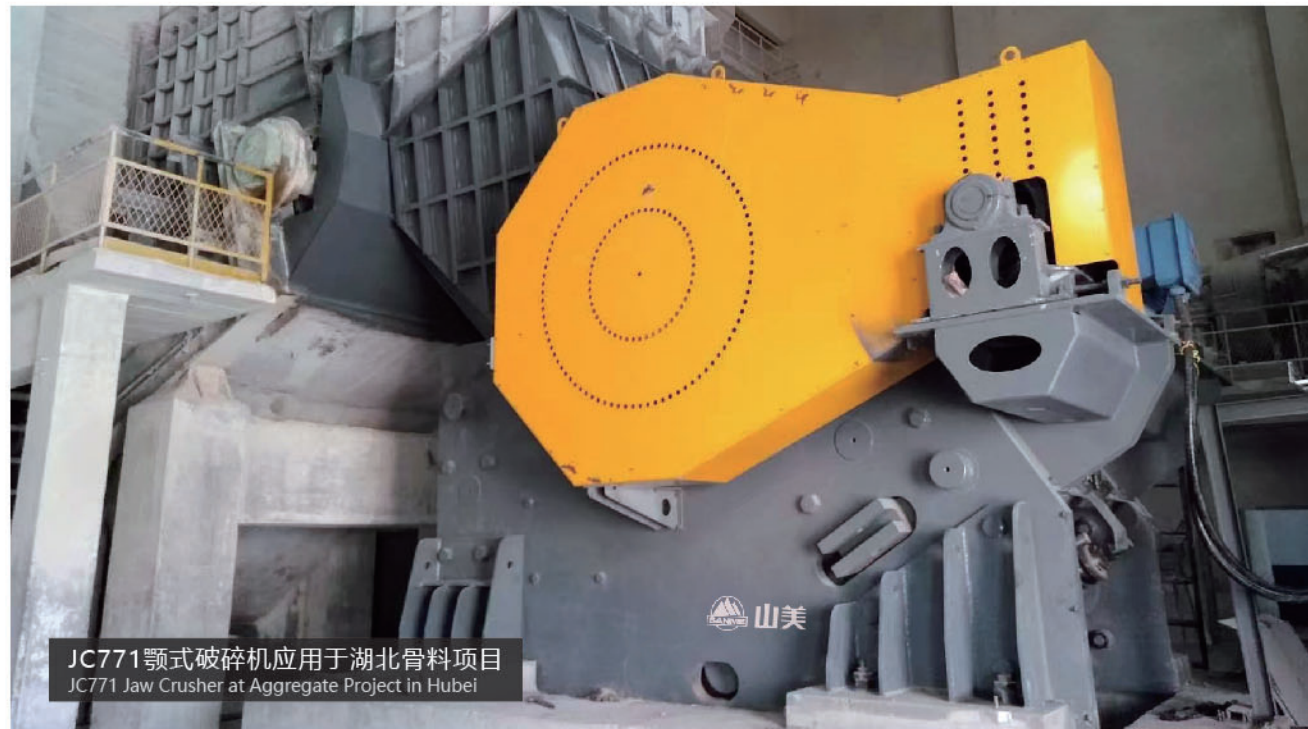
4. Sufficient feed capacity and feed width.

5. Adequate crusher discharge area.

6. Discharge belt conveying capacity matched to the max capacity of the crusher.



## 项目展示 Projects





项目展示  
Projects







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