

HDX德版颞式破碎机

HDX GERMAN TYPE JAW CRUSHER

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2021年05月版



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高端配置 品质升级

High-end configuration quality upgrade

在矿山和建筑破碎行业，处于生产线前端的颚式破碎机，其性能直接影响全套生产线的质量与运行情况。颚式破碎机作为中粗碎的首选设备，40余载一直是红星集团的核心产品之一。

HDX德版颚式破碎机是HD颚式破碎机的升级产品，它可靠性更高、安装调试更方便，自投放市场以来，受到了客户的广泛欢迎和好评。

HDX德版颚式破碎机可广泛应用于金属和非金属矿、建筑、砂石、水泥、冶金等各个行业，在处理坚硬物料方面，有着出色表现。

In the mining and construction crushing industry, the performance of the jaw crusher at the front end of the production line directly affects the quality and operation of the entire production line. As the preferred equipment for medium and coarse crushing, jaw crusher has been one of the core products of Hongxing Group for more than 40 years.

HDX German Jaw Crusher is an upgraded product of HD Jaw Crusher. It has higher reliability and more convenient installation and adjustment. Since its launch on the market, it has been widely

welcomed and praised by customers.

HDX German jaw crusher can be widely used in various industries such as metal and non-metal mines, construction, sand and gravel, cement, metallurgy, etc. It has excellent performance in handling hard materials.



HDX86 »
HDX98 »

HDX德版颚式破碎机的优势：

Advantages of HDX German Jaw Crusher:

高可靠性

高质量铸造件，为设备提供了强大的抗疲劳特性，确保设备稳定高效的生产。

高性能

不断升级改进的破碎参数，实现了更高的产能，客户投资回报率更大。

运行和维护成本低

优化的调整方式、轻便紧凑的设计，耐用且易于更换的磨损件，降低了设备的综合成本。

安装方便

简捷的安装设计，节省安装时间和成本，尽量减少现场工作量。



HDX110 »
HDX125 »

High reliability

High-quality castings provide equipment with strong anti-fatigue properties and ensure stable and efficient production of equipment.

High performance

Continuously upgrade and improve the crushing parameters to achieve

higher production capacity and greater return on customer investment.

Low operating and maintenance costs

Optimized adjustment method, lightweight and compact design, durable and easy-to-replace wear

parts, reducing overall costs.

Convenient installation

The simple installation design saves installation time and cost, and minimizes the workload on site.

高可靠性

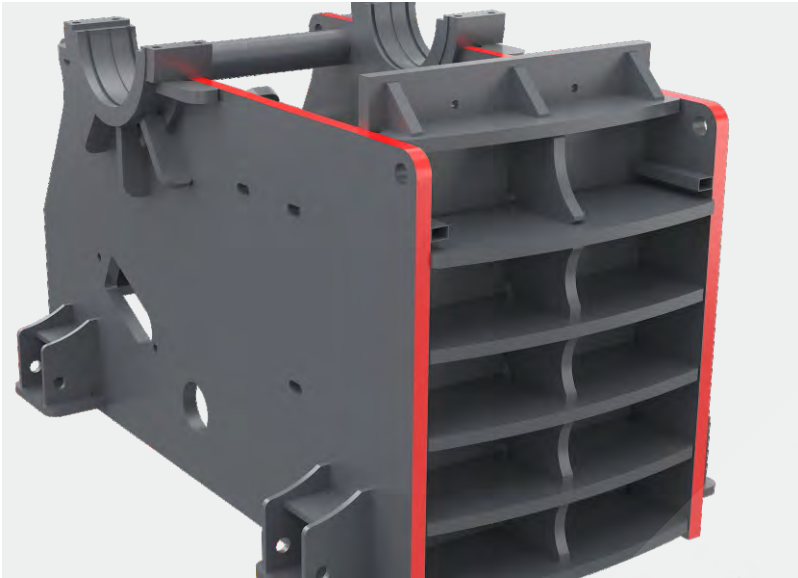
High reliability

HDX德版颚式破碎机的高可靠性源于其精湛的结构设计，制造材料、工艺，及对细节尽善尽美的追求。

The high reliability of HDX German Jaw Crusher comes from its superb structural design, manufacturing materials, craftsmanship, and the pursuit of perfect details.

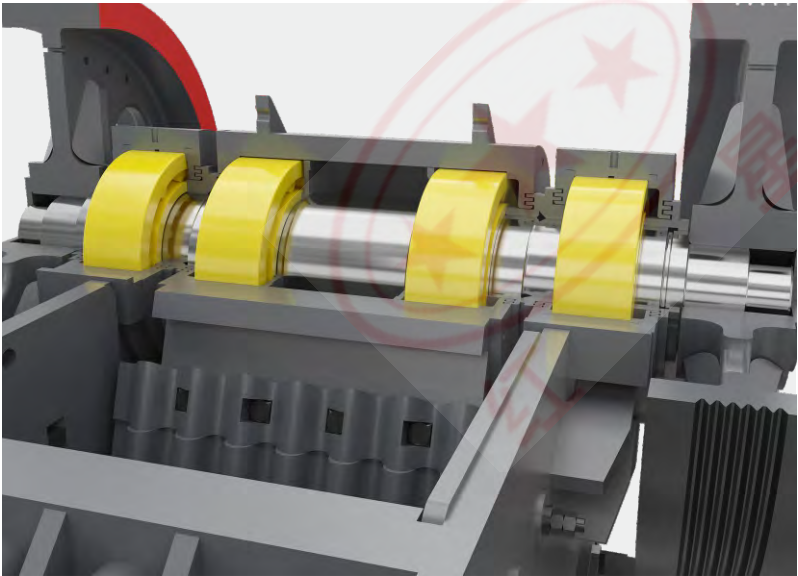
高强度加厚钢板焊接机架，可承受更大的破碎力。

High-strength thickened steel plate welding frame, can withstand greater crushing force.



高标准加工的主轴、高质量铸钢的动颚、轴承座及加强结构，保证轴系零部件稳定、可靠运行。

High-standard machining main shaft, high-quality cast steel movable jaw, bearing seat and reinforced structure ensure the stable and reliable operation of shafting components.



高性能

High performance

高转速

结合众多客户现场数据摸索出最适合的高转速，最大化单位时间内的破碎次数。

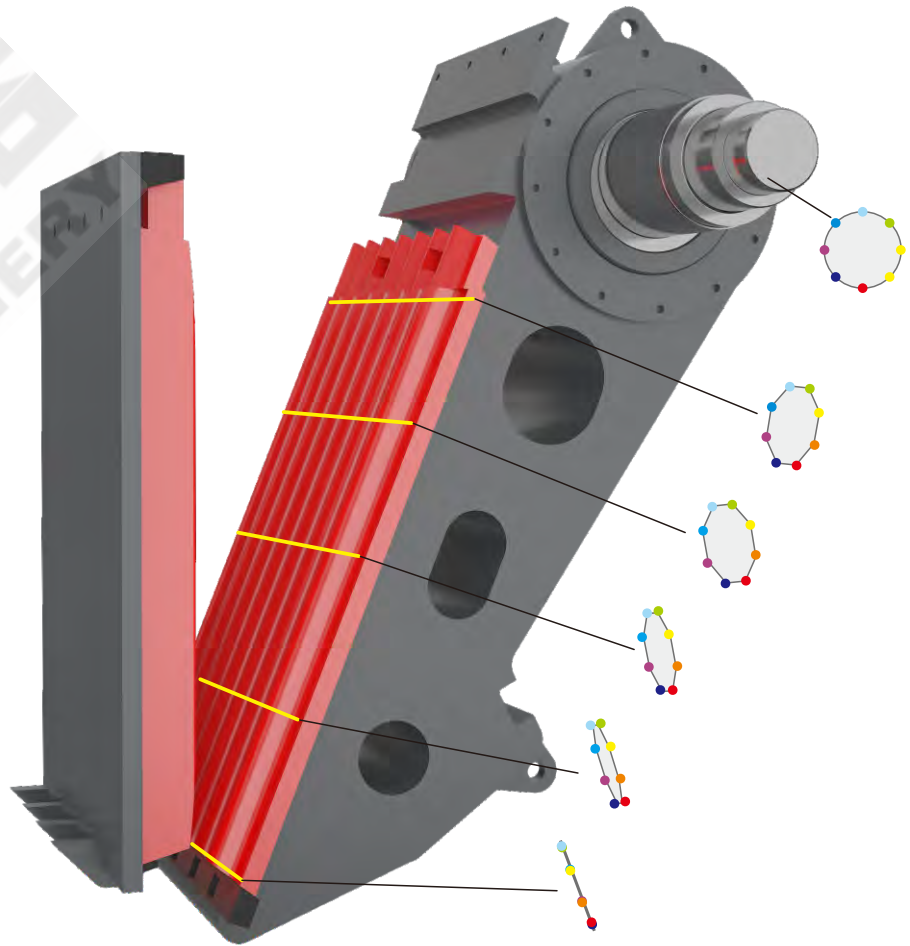
曲线型破碎腔

曲线形破碎腔，使堵料点上移，多次破碎大块物料，从而增加产量。排料口的平行区，不影响排料，使产品粒度均匀。

优化的运动轨迹

小偏心：降低了设备自身运行的功率消耗，提高了效率；
大行程：提高了破碎效率和产能。

活动颚板上不同部位的运动轨迹
The trajectory of different parts of the movable jaw



High speed

Combining the field data of many customers to find the most suitable high speed, maximize the number of crushing per unit time.

Curved crushing cavity

The curved crushing cavity moves the blocking point upward, crushing large pieces of material many times,

thereby increasing the output. The parallel area of the discharge opening does not affect the discharge and makes the product particle size uniform.

Optimized trajectory

Small eccentricity: It reduces the power consumption of the equipment itself and

improves the efficiency; Large stroke: Improved crushing efficiency and productivity.

运行和维护成本低

Low operating and maintenance costs

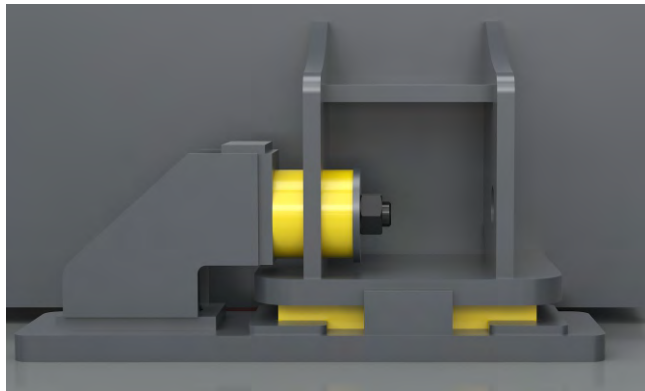
整体式电机托架
整体式电机架使安装变得更为简单；减少了安装空间；破碎机与整体式电机托架同步运动，改善了三角带所受负载。

Integral motor bracket
The integral motor frame makes the installation easier; reduces the installation space; the crusher and the integral motor bracket move synchronously, which improves the load on the V-belt.



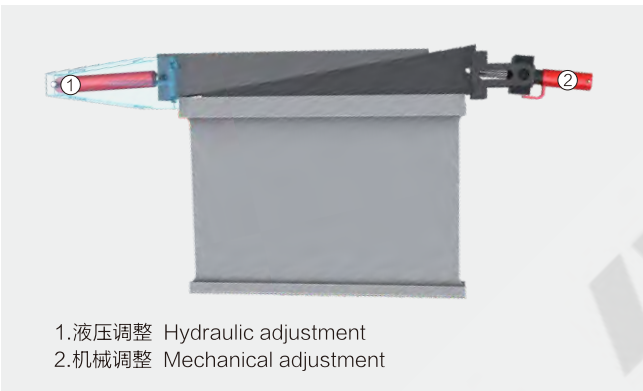
主机减震装置
使用橡胶减震装置及限位块，可以吸收振动峰值载荷，并允许破碎机横向和纵向位移，从而有效降低破碎机对基础的冲击，避免了地脚螺栓对基础的伤害。

Host shock absorber
The use of rubber shock absorbers and limit blocks can absorb vibration peak loads and allow the crusher to move horizontally and longitudinally, thereby effectively reducing the impact of the crusher on the foundation and avoiding the damage to the foundation by the anchor bolts.



楔块调整排料口
排料口可在几分钟内调整完毕，大幅减少了工人劳动强度和停机时间；楔块工作表面淬火处理，更加坚固耐用；该系统特别适用于设备带料状态下停机清腔。

Wedge adjustment discharge opening
The discharge port can be adjusted within a few minutes, which greatly reduces the labor intensity of the worker and downtime of the machine; the wedge working surface is quenched, which is more robust and durable; this system can effectively acts on the equipment to stop and clean the cavity when the equipment is carrying the material.



技术参数

Technical parameter

型号 Model	HDX86	HDX98	HDX110	HDX125
进料口尺寸 长×宽 Feed port sizeLength × width(mm)	860 × 580	980 × 680	1100 × 850	1250X950
最大进料 maximumFeed size(mm)	500	630	750	900
出料口调整范围 Discharge port Adjustment range (mm)	50-150	75-175	100-200	125-225
处理能力 processing capacity (t/h)	60-260	110-350	230-550	280-750
电机型号 Motor model(kW)	8P 75	8P 110	6P 132	8P 160
三角带型号 V-belt model	6-SPC × 5000	7-SPC × 5000	6-25N × 5690	10-SPC × 6300
主轴转速 Spindle speed(r/min)	300	270	260	225

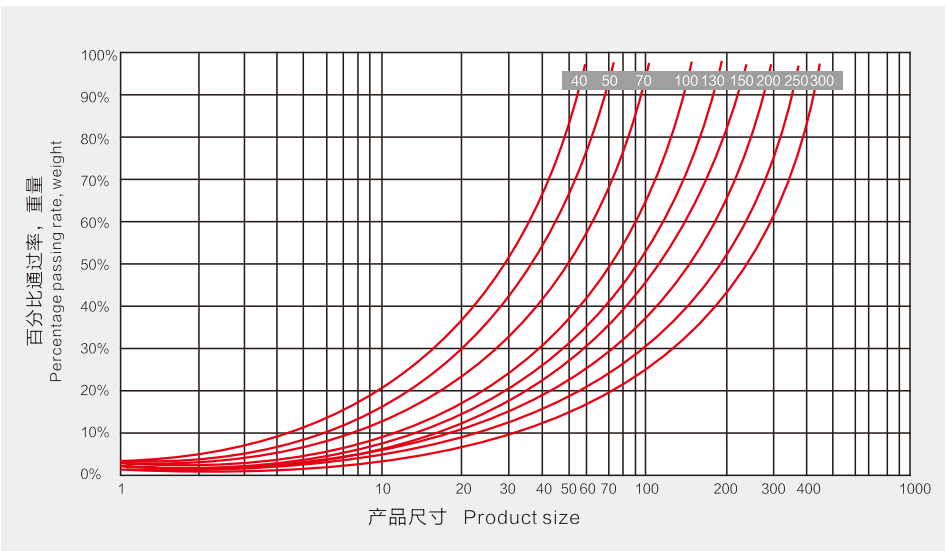
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粒度分布曲线

Indicative gradation curve

由于物料的差异较大，实际生产的结果与图中数据有出入时，属于正常情况。

The Indicative is related to some factors such as production capacity, feeding input size, crusher cavity type, material density, material cleanliness, and material moisture content.



生产能力

Production capacity

1.数据基于平均比重2.7t/m³的物料，粒度适中，给料可顺利进入破碎腔。

2.处理能力为瞬时最大处理能力，并且根据物料性质，给料级配，给料方式、给料含水量及粘土含量、体积密度和物料特性而变化。

- The data is based on the material with an average specific gravity of 2.7t/m³, the particle size is moderate, and the feed can enter the crushing cavity smoothly.
- The processing capacity is the instantaneous maximum processing capacity, and it varies according to the nature of the material, the gradation, the feeding method, the water content and the clay content of the material , the bulk density and the characteristics of the material.

产品尺寸 size	CSS	HDX86	HDX98	HDX110	HDX125
mm	mm	t/h	t/h	t/h	t/h
0-68	45	-	-	-	-
0-75	50	60	-	-	-
0-90	60	80	-	-	-
0-113	75	110	110	-	-
0-120	80	120	122	-	-
0-135	90	140	146	-	-
0-150	100	160	170	230	-
0-185	125	210	230	310	280
0-225	150	260	290	390	397
0-260	175	-	350	470	515
0-300	200	-	-	550	632
0-340	225	-	-	-	750

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以下因素可提高破碎机的生产能力和操作性能：

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 following factors can improve the production capacity and operating performance of the crusher:

1. Choose an appropriate jaw plate;

2. Appropriate feed gradation;

3. Controllable feeding rate;

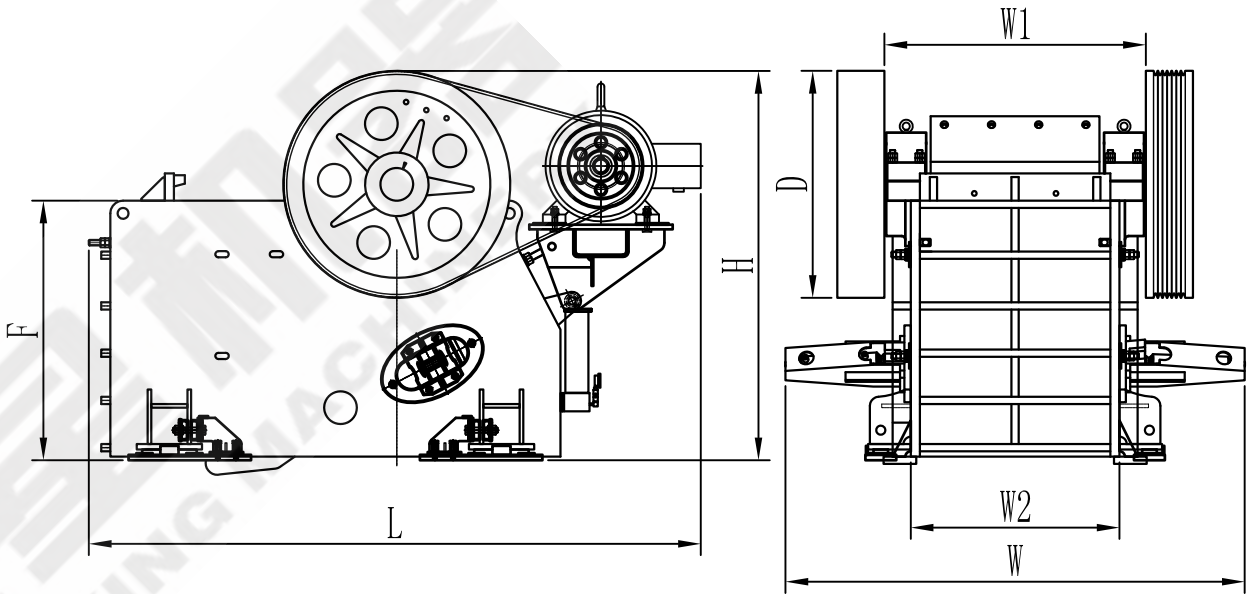
4. Sufficient feeding capacity and width;

5. Sufficient crusher discharge area;

6. The conveying capacity of the discharge belt that matches the maximum output of the crusher;

外形尺寸

Dimensions



尺寸仅供参考，仅供安装前期规划之用，不得用于基础建造。
The dimensions are only for reference , and are only used for pre-installation planning, cannot be used for foundation construction.

		HDX86	HDX98	HDX110	HDX125
总长 Total length(L)	mm	3005	3380	3590	4220
总高 Total height(H)	mm	1810	2145	2515	2890
总宽 机械型 Total width(W)	mm	2180	2370	2460	2600
总宽 液压型 Total width (W)	mm	2400	2530	2670	2810
给料高度 Feeding height(F)	mm	1220	1430	1770	1975
飞轮内宽 Flywheel inner width (W1)	mm	1222	1440	1681	1934
侧板外宽 Outer width of side plate(W2)	mm	1010	1150	1290	1450
飞轮直径 Flywheel diameter(D)	mm	1120	1250	1510	1660

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HDX德版颞式破碎机卓越的细节设计

Excellent detail design of HDX German jaw crusher

① 销轴结构式动颞-拉杆

避免了传统挂钩式结构运行中可能松动脱落的风险，连接更加可靠。

Pin—shaft structure type movable jaw—tension rod

The risk of loosening and falling off during the operation of the traditional hook structure is avoided, and the connection is more reliable.

② 加强型、消应力结构的飞轮

飞轮上均匀分布加强筋；减重孔边大圆弧过渡，消除了应力集中。

Reinforced flywheel with stress relief structure

Reinforcing ribs are evenly distributed on the flywheel; the large arc transition at the edge of the weight-reducing hole eliminates stress concentration.

③ 胀套连接

主轴与飞轮通过胀套连接，拆卸简捷。

Expansion sleeve connection

The main shaft and the flywheel are connected through an expansion sleeve, which is easy to disassemble.

④ 碟簧张紧的边护板

边护板螺栓安装4个大碟簧，补偿防松，张紧更可靠。

Side plate tensioned by disc spring

The side plate bolts are installed with 4 large disc springs to compensate for the anti-loosening, and the tension is more reliable.

⑤ 集中润滑

高效快捷，减少润滑维护工时。

Centralized lubrication

Efficient and fast, reducing lubrication maintenance man-hours.

⑥ 剖分式轴承座

便于拆分吊装、减少安装、更换工时

Split bearing seat

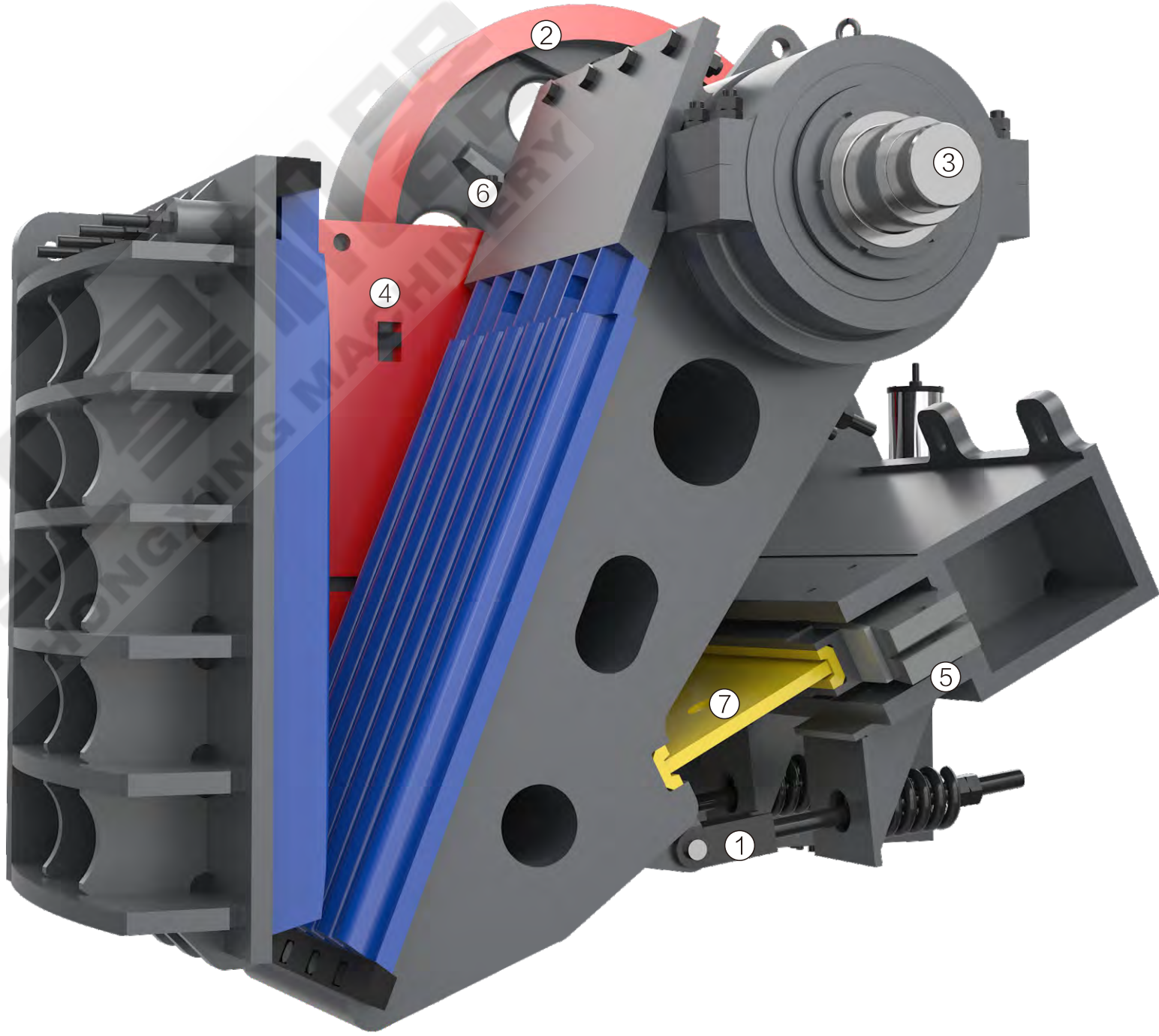
Easy to disassemble and hoist, reduce installation and replacement man-hours

⑦ 高强钢板肘板

高强钢板重量轻，易更换，过载时弯曲，避免了传统铸铁肘板断裂掉落时伤害输送带。

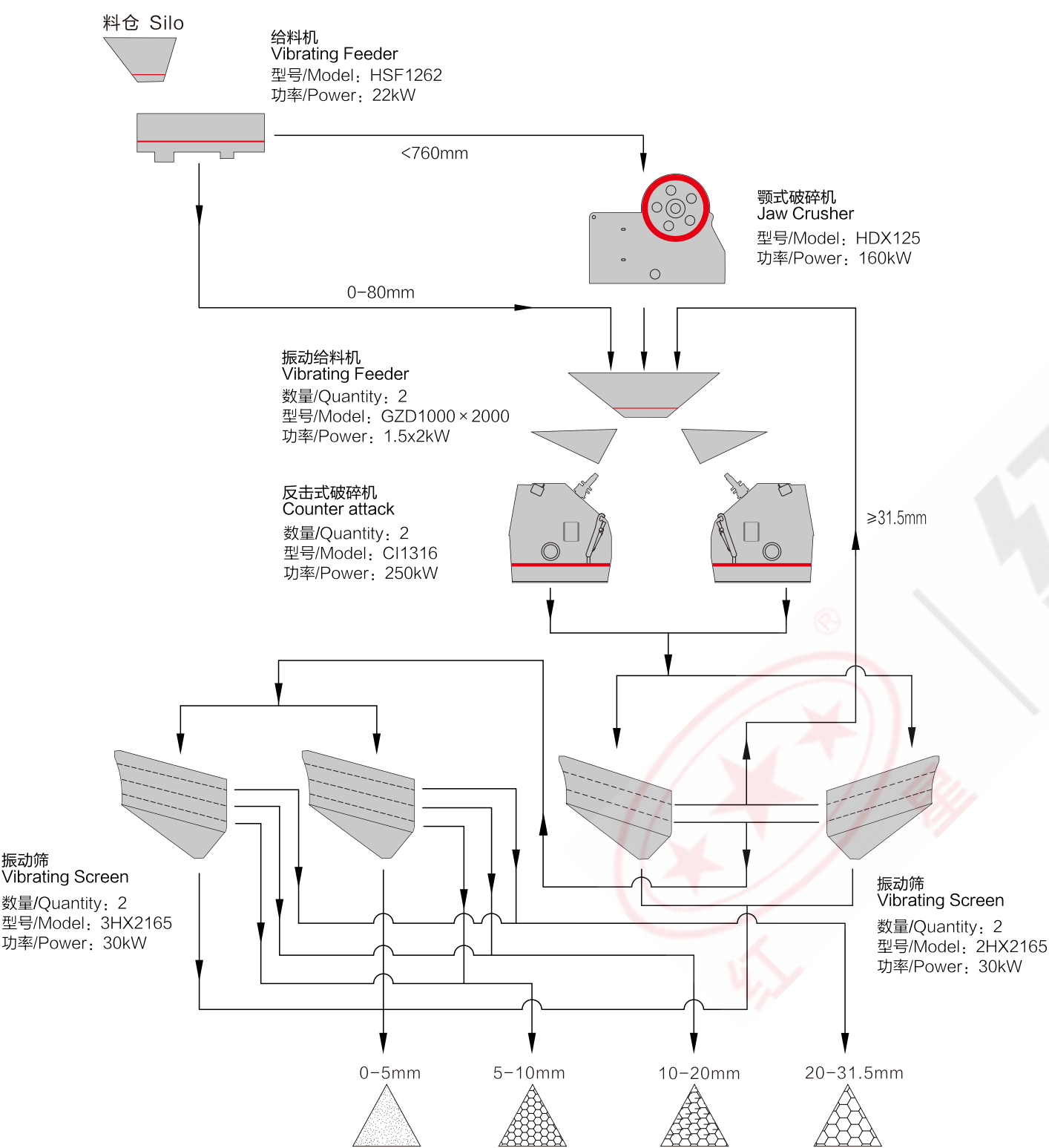
High-strength steel toggle plate

The high-strength steel toggle plate is light in weight, easy to replace, and bends when overloaded, avoiding damage to the conveyor belt when the traditional cast iron bracket breaks and falls.



石料破碎工艺流程图(450-600t/h)

The flow chart of stone crushing plant (450-600th)



常用备件

Common spare parts



液压站细节

Details of Hydraulic station



带给用户更大的价值

Bring greater value to users

历史底蕴/Historical background:



高端智能矿机生产出口基地

High-end smart mining machine manufacture and export base

红星集团以为用户创造更大的价值为使命，经过40多年的积累，已成为20万+客户的选择，产品遍布世界各地。

Hongxing Group takes the mission of creating greater value for users. After more than 40 years of accumulation, we have become the choice of 200,000+ customers, and our products are all over the world.



精湛的技术专家团队

Superb team of technical experts

专业的研发及售前、售后技术团队，为您提供专业的解决方案。完善的客户回访管理机制，全面、系统的培训体系，为您的后期使用提供全面的技术支持。

The professional R&D and pre-sales technical team will provide you with professional solutions. Perfect customer return visit management mechanism, comprehensive and systematic training system, will provide comprehensive technical support for your later use.



全面的制作能力

Comprehensive manufacturing capacity

公司主要生产有破碎设备、制砂设备、磨粉设备和选矿设备四大系列产品，设备的全面性可为您提供一站式服务。

HXJQ mainly produces four series of products: crushing equipment, sand making equipment, grinding equipment and ore beneficiation equipment. Because of comprehensiveness of the equipment, we can provide you with one-stop service.



我们的售后服务

Our after-sales service

我们深知真正的销售是从售后开始的。红星人365天*24小时专业售后团队随时待命，为您的生产保驾护航。

We know that real sales start from after-sales. The professional after-sales team of Hongxing 365 days * 24 hours is on standby to escort your production.



颞式履带移动破碎站
Jaw crawler mobile crusher

我们的愿景/Our vision:

成为全球客户所信赖的产品和解决方案供应商。

Become a trusted supplier of products and solutions to global customers.

我们的使命/Our mission:

为用户创造更大的价值。

Create greater value for users.

