

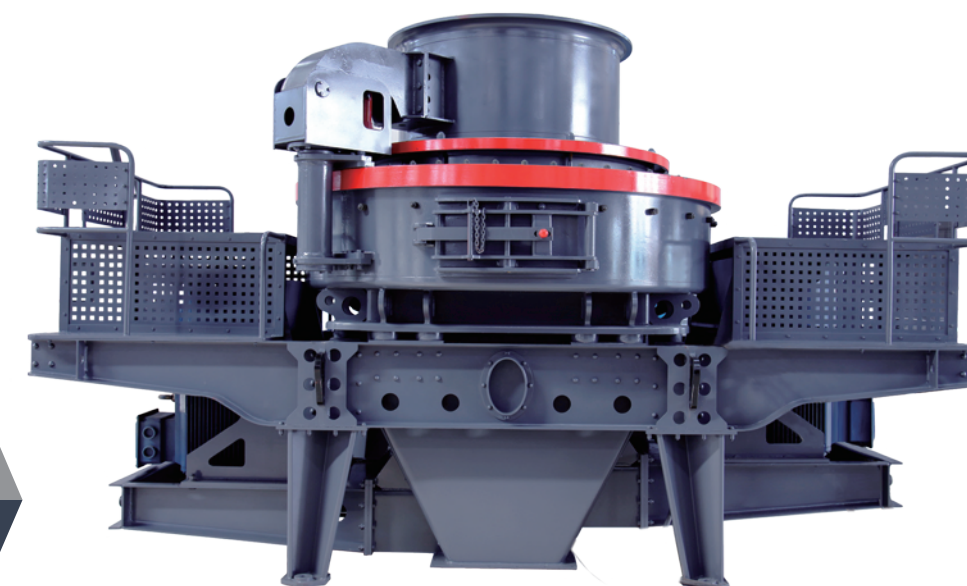


更卓越的工作性能
More excellent running performance



B Series Deep Rotor Vertical Shaft Impact Crusher

B系列深腔立轴冲击破碎机



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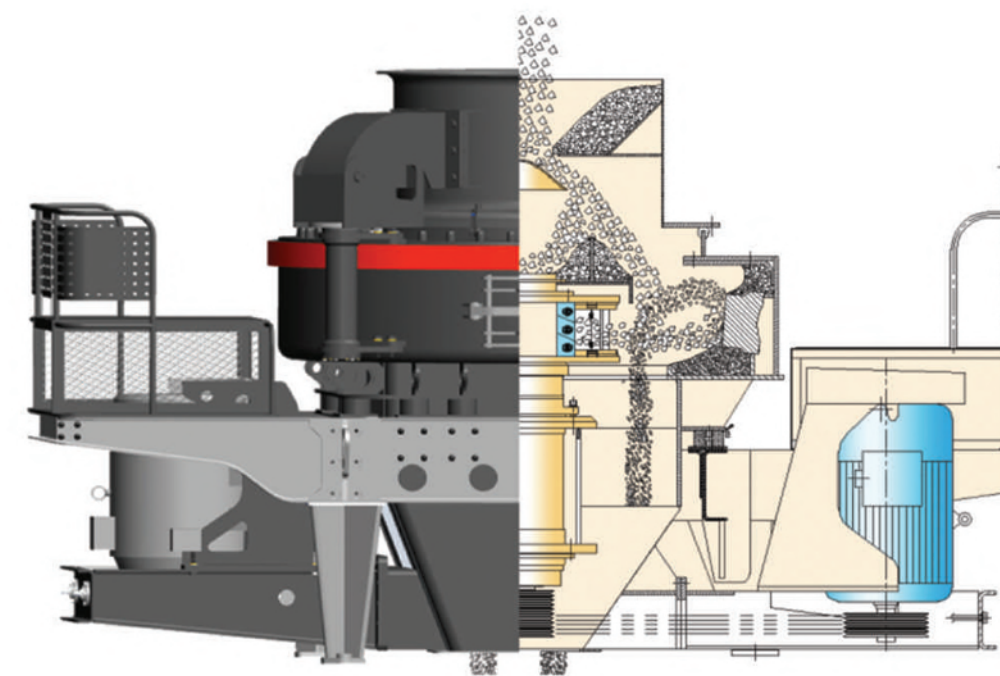
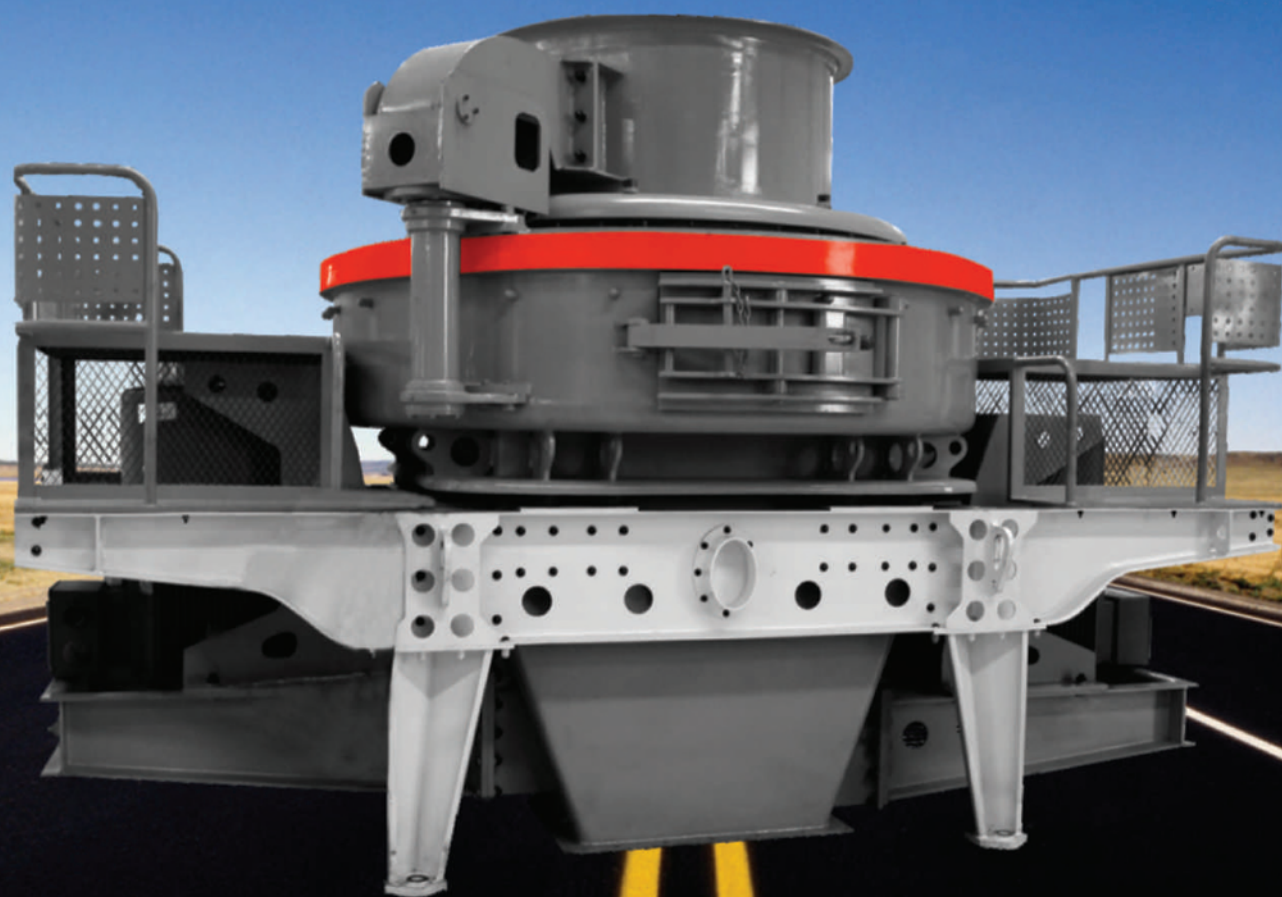
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Searching For Higher Quality Aggregate?



B系列深腔立轴冲击破碎机

B Series Deep Rotor Vertical Shaft Impact Crusher

产品简介：

B系列深腔立轴冲击破碎机，是我公司积累近15年立轴冲击破碎机生产制造经验，听取上千家客户的反馈意见及建议，应用最新设计理念和最先进的加工工艺，对原有B系列立轴冲击破碎机进行全面升级后的最新产品。

B系列深腔立轴冲击破碎机秉承了原有立轴破碎机石打石的工作原理，具有破碎效率高、产品粒形好的优点，同时应用全新的深腔转子技术，进一步提高了产量，降低了单位成品的配件消耗和能量消耗。易损件的排列布局经过全新的优化设计，利用率大大提高，可为机体提供更有效的保护；关键零部件采用目前最先进的硬质合金制造，引导科技成果实际应用的潮流；人性化的设计使操作和维护更加方便简单。正是基于上述特点，B系列深腔立轴冲击破碎机在获得高品质骨料的同时，将机器的生产成本降到了最低，是您生产的最佳选择。

Product brief introduction:

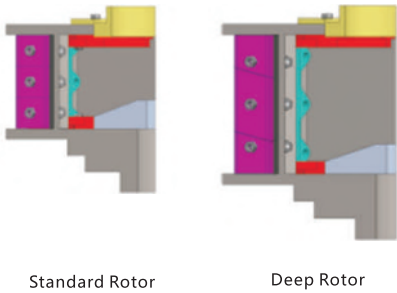
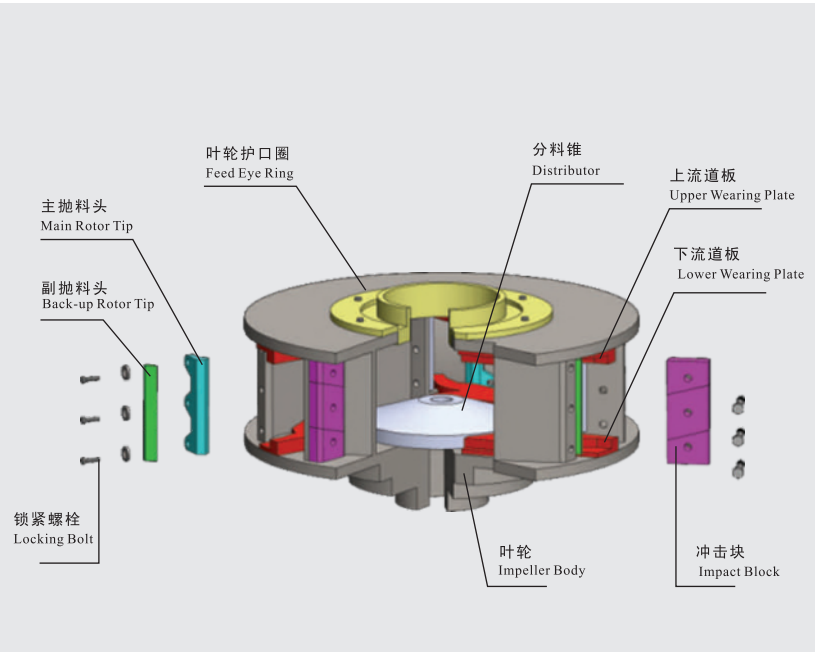
B series deep rotor Vertical Shaft Impact crusher is our company's latest product comprehensively upgraded from previous B series VSI crusher. It is innovated based on 15 years' manufacturing experiences of VSI crusher, absorbing thousands of clients' feedback and suggestions, applying newest design concept and the most advanced processing technology.

B series deep rotor Vertical Shaft Impact crusher keeps original rock-on-rock principle of vertical shaft crusher. It has advantages of high crushing ratio and good cubic shape of finished products. Application of brand new deep rotor technology further improves equipment capacity and decreases the unit spare parts and energy cost. Optimized design of layout of spare parts increases the utilization ratio of spare parts and provides more efficient protection for crusher body. Key parts are made of advanced cemented carbide, taking the lead of practical application of science and technology achievements. Humanized design enables convenient operation and maintenance, based on above quality, B series deep rotor vertical shaft impact crusher not only produces high quality aggregate, but also minimizes the production cost, yet it is your best choice for producing.

独特的深腔转子
Unique deep rotor

转子是VSI最核心的部件，B系列深腔立轴冲击破碎机的成功全在于其全新深腔转子技术的运用。

Rotor is the heart of VSI, the success of the Zenith B series VSI attributes to the application of new technology for its deep rotor.



深腔转子容积明显增大
The cubage of deep rotor has significant increase

产量大幅度提高
The capacity improve greatly

深腔转子的发射口高度比普通转子大出50%左右，这意味着分料锥和叶轮护口圈之间和上下流道板之间的空间更大。内部空间的增大使转子可以容纳更多的入料，处理量增加高达30%以上。

The port height of deep rotor is about 50% l er than that of normal rotor, which means there is a greater space between distributor and feed eye ring, as well as between the upper and lower wearing plates. With the increased space inside the rotor, more materials can be fed into the rotor, the rotor throughput increases about 30 % (and sometimes even more).

易损件寿命显著延长
The service life of wear parts extend significantly

内部空间的增大使物料在被抛离转子时更加顺畅，物料的流经对上下流道板的磨损因此大大降低当，转子配件的寿命提高30%~50%；这同时意味着机器能提供最大的使用率而只需要极少的停机维护时间。

As there is more space in the rotor, materials are shot from the rotor more smoothly, with little throttle between the upper and lower wearing plate. Therefore, when the materials enter the rotor, there is less wear on the upper and lower wearing plates. The lifetime of these wearing parts increase about 30%-50%. This also means less downtime, and higher crusher availability.

易损件的优化设计
Optimized design of spare parts

副抛料头设计的应用
Application of design for back-up rotor tip

在以往的机器使用过程中，因使用人员疏忽未能及时更换抛料头，时常造成物料对叶轮主体的损伤。

B系列深腔转子立轴冲击破中副抛料头的设计避免了这种情况的发生，大大提升了机器的安全系数。

In the previous operation process, the stone materials always damage the impeller body due to

The back-up rotor tip design of B series deep rotor VSI crusher has totally avoided this situation and greatly increases the machine safety and service life.

抛料头的分段式设计
Segment design of rotor tip

在大量的抛料头磨损试验数据的基础上，B系列深腔转子立轴冲击破在抛料头处采用了全新的分段式设计：抛料头的中部可更换，上下部分可调换位置使用。这种设计使抛料头利用效率提高50%以上，使用成本大为降低。

Segment rotor tip is designed based on numerous wearing tests. The middle segment can be replaced separately, the upper and lower segment can be converted and reused, the efficiency of rotor tip increases by over 50%, significantly reducing operating cost.

菱形冲击块运用
Application of impact block

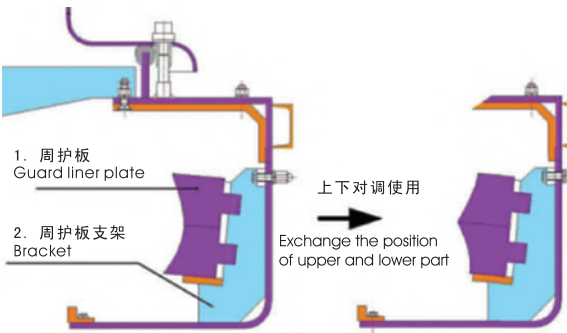
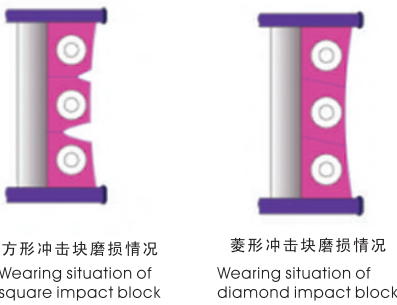
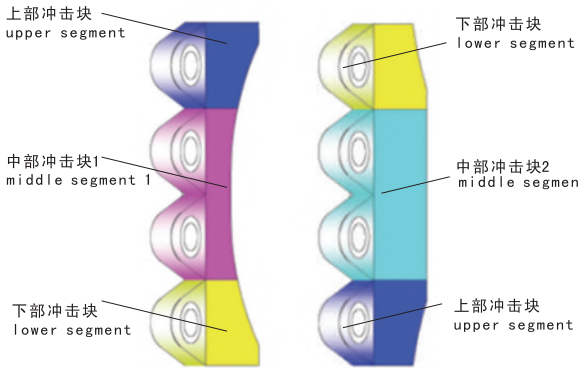
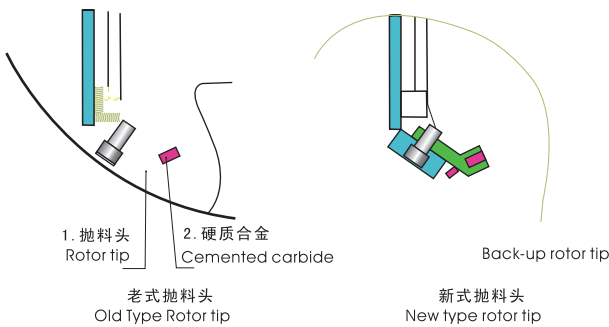
菱形冲击块的应用避免了老式方形冲击块在使用过程中接触物料部分过度磨损的情况，有效增加了冲击块的使用寿命。

Application of impact block prevents excessive wearing of contact surface of previous square impact block, effectively increasing the servicing life of impact block.

分体式周护板设计
Segment design of chamber lining plate

根据周护板多由中部开始磨损的规律，B系列深腔转子立轴冲击破的周护板从原有的一体式变为分体式，中部磨损后可上下调头使用，有效提高了材料利用率，使用寿命延长48%以上。

According to the rules that guard liner plate is worn out mostly in the central position, original integrated guard liner plate has been changed to separated parts. When the central part is worn out, exchange the position of upper and lower part, effectively enhancing the availability of material, prolonging servicing life by over 48%.

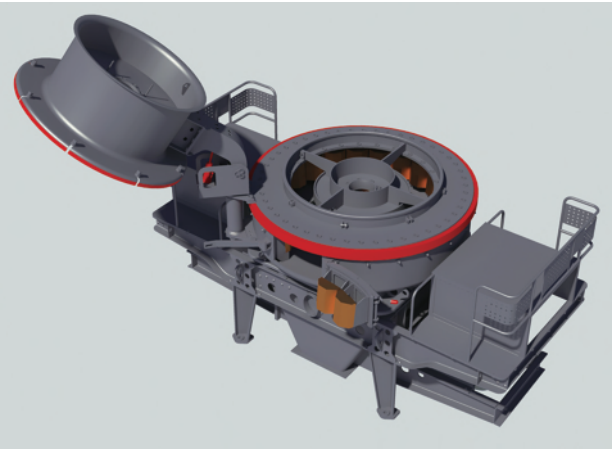


富有竞争力的优势
Competitive advantages

1. 全新散料盘设计，可快速实现中心给料和瀑落给料的转换，减少了停机调整时间。
Brand new distributing plate design realizes the fast transformation between central feeding and cascade feeding, reduce the downtime for adjustment.

2. 独特的液压开顶系统，可方便快捷移开上盖，即使只有一人也可轻松更换转子及其配件，使机器的停机维护时间缩至最短。

Unique hydraulic open-top system can move upper cap conveniently and quickly. One person is enough for replacing rotor and its spare parts, minimizing machine shutdown and maintenance time.

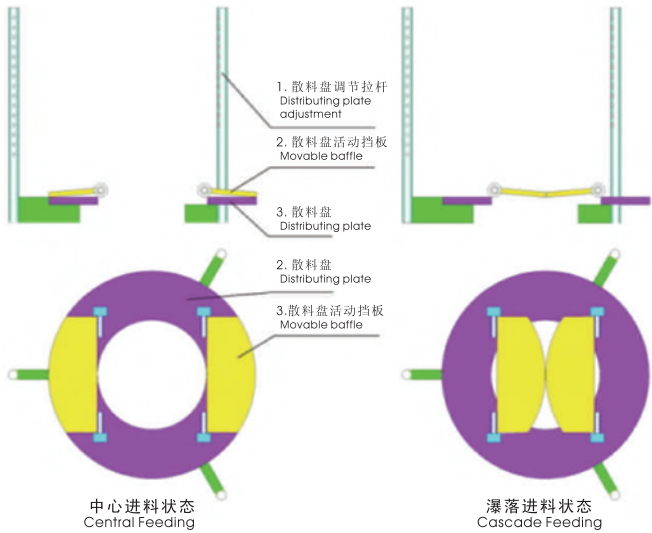


4. 独特的润滑控制系统，可以根据机器的使用情况自动调整润滑油供给，大大节约了人工控制成本，确保了机器能时刻保持最优工作状态。

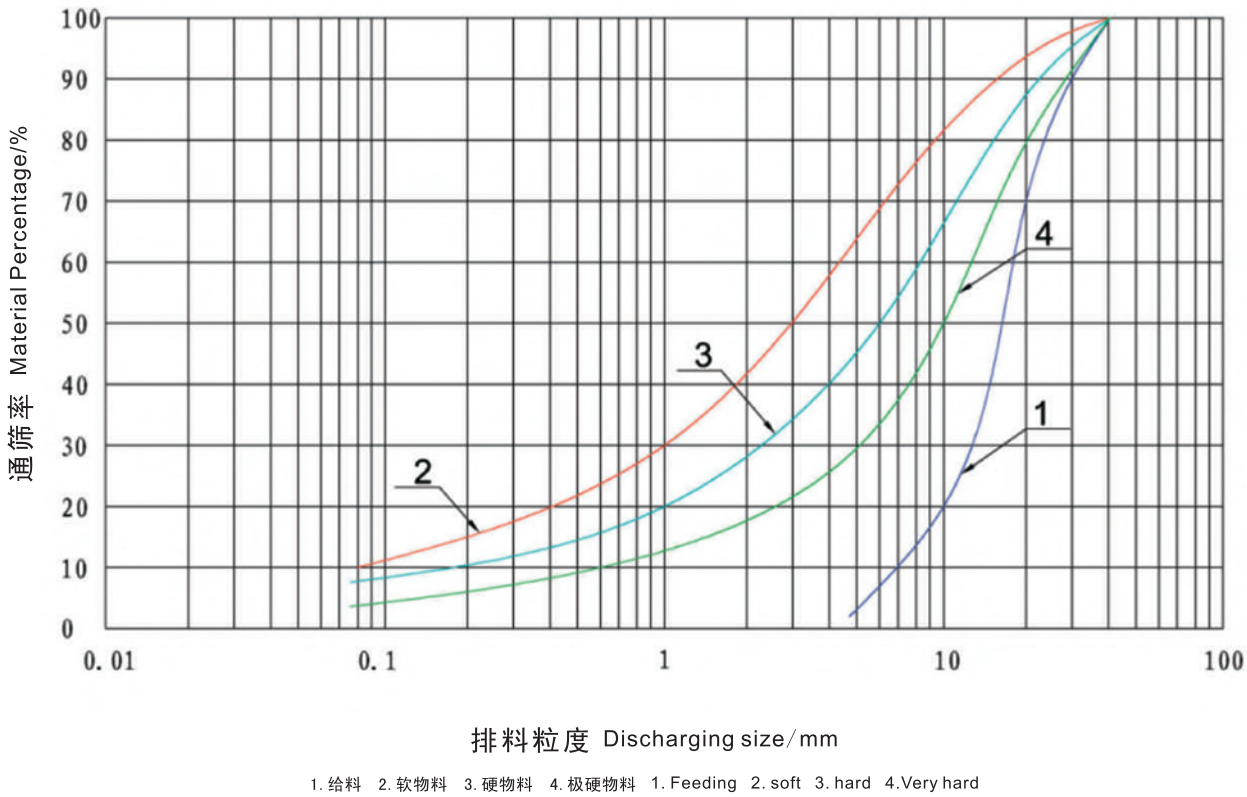
Unique lubrication control system can adjust the oil supply automatically according to the machine status, greatly reducing manual control cost, ensuring the machine is at its best performance all the time.

5. 机器关键部位采用一流合金材质，配备优质NSK轴承和IP54/55防护等级的电机（西门子可选），确保了B系列深腔立轴冲击破碎机在任何工况条件下都能闪耀出卓越的品质之光。

Key parts of machine have adopted first class cemented carbide, and equipped with quality NSK bearing and motor with IP54/55 protection grade (SIEMENS optional), all these factors ensure B series deep rotor vertical shaft impact crusher sparkles its quality light under any working conditions.



3. 基于其便于操作及维护简易的特点，使 B 系列深腔立轴冲击破碎机可轻松融入任何已有的石料破碎设备中，提高现有设备的产量和产品的品质。
Based on convenient operation and easy maintenance character of B series deep rotor vertical shaft impact crusher, it can be easily applied in any existing quarry crushing equipment, enhancing their capacity and product quality.



主要技术参数 Main technical data

型号 Model		B-7615DR	B-8522DR	B-9532DR	B-1145DR
通过量 (t/h) Throughput capacity	瀑落与中心进料 Cascade and central feeding	150~280	240~380	350~540	500~640
	全中心进料 Central feeding	70~140	120~190	180~280	250~360
最大入料尺寸 Maximum feeding size (mm)	软料 Soft material	<35	<40	<45	<50
	硬料 Hard material	<30	<35	<40	<45
转速 Rotation speed (r/min)		1700~1900	1500~1700	1300~1510	1100~1310
双电机功率 Double motor power (kW)		75×2	110×2	160×2	220×2
外形尺寸 长×宽×高 Overall dimension L×W×H (mm)		4100×2330×2300	4140×2500×2700	4560×2600×2900	5000×2790×3320

注：生产能力按中等硬度的石灰石测定。同时又与物料的粒度、含水份，及物料的性质等因素影响。
Note: Capacity tested based on medium hard limestone, it is also affected by other factors such as feeding size, moisture, and character of material.