

Technical Data

设备技术参数

VC7(H)系列立式冲击破碎机 VC7(H) Vertical Shaft Impact Crusher							
(圆叶轮) (round impeller)							
Model 型号	Speed of rotor 叶轮转速(r/min)	Max feed size 最大进料边长(mm)	Throughput (central feeding/central feeding + waterfalls feeding) 通过量(t/h) (全中心入料/中心加瀑布入料)		Power 电机功率(kW)	Dimension 外形尺寸 (mm)	Weight (excluding motor) 主机重量 (不含电机)(kg)
VC726L	1881-2499	35	60-102	90-176	110	3600*1969*2200	≤7055
VC726M			70-126	108-211	132		
VC726H			96-150	124-255	160		
VC730L	1630-2166	40	109-153	145-260	180	4600*2150*2482	≤10000
VC730M			135-200	175-340	220		
VC730H			160-243	211-410	264		
VC733L	1455-1934	55	165-248	215-415	264	5500*2563*3178	≤14020
VC733M			192-286	285-532	320		
VC733H			238-350	325-585	400		
VC743L	1132-1504	60	230-346	309-577	400	5850*2740*3031	≤21040
VC743M			246-373	335-630	440		
VC743H			281-405	366-683	500		

VCU7(H)系列立式冲击破碎机 VCU7(H) Vertical Shaft Impact Crusher							
(开放式叶轮) (open impeller)							
Model 型号	Speed of rotor 叶轮转速(r/min)	Max feed size 最大进料边长(mm)	Throughput (central feeding/central feeding + waterfalls feeding) 通过量(t/h) (全中心入料/中心加瀑布入料)		Power 电机功率(kW)	Dimension 外形尺寸 (mm)	Weight (excluding motor) 主机重量 (不含电机)(kg)
VCU726L	1881-2499	55	86-143	108-211	110	3600*1969*2200	≤6955
VCU726M			98-176	124-253	132		
VCU726H			132-210	143-300	160		
VCU730L	1630-2166	65	150-212	162-310	180	4600*2150*2482	≤9910
VCU730M			186-280	203-408	220		
VCU730H			220-340	245-480	264		
VCU733L	1455-1934	80	230-338	255-497	264	5500*2563*3178	≤13820
VCU733M			268-398	296-562	320		
VCU733H			327-485	373-696	400		
VCU743L	1132-1504	100	305-467	362-678	400	5850*2740*3031	≤21240
VCU743M			335-506	379-746	440		
VCU743H			375-540	439-800	500		

Note:

1.Throughputis the total production tons at open circuit when the material bulk density to be crushed is 1.6t/m3. Production capacity will be varied by physical characteristics of material, feeding method, feeding size and material composition, etc.

2.VC7H series are equipped with electric hydraulic pump station while VC7 series are equipped with manual hydraulic pump station.

3. VCU7(H) with open impeller is suitable for crushing soft and medium hard materials while VCU7(H) with round impeller is suitable for crushing hard and medium hard materials.

注：

1. 上述通过量是在破碎物料密度为 1.6t/m3 时开路循环生产中的总吨数。生产能力与破碎物料的物料性能、给料方式、进料粒度及其组成有关。

2. VC7H 系列为电动液压泵站，VC7 系列为手动液压泵站。

3. VCU7(H) 为开放式叶轮 ,用于中硬以下物料；VC7(H) 为圆叶轮 ,用于中硬以上物料。



VC7 系列 立式冲击破碎机 VC7 Series Vertical Shaft Impact Crusher

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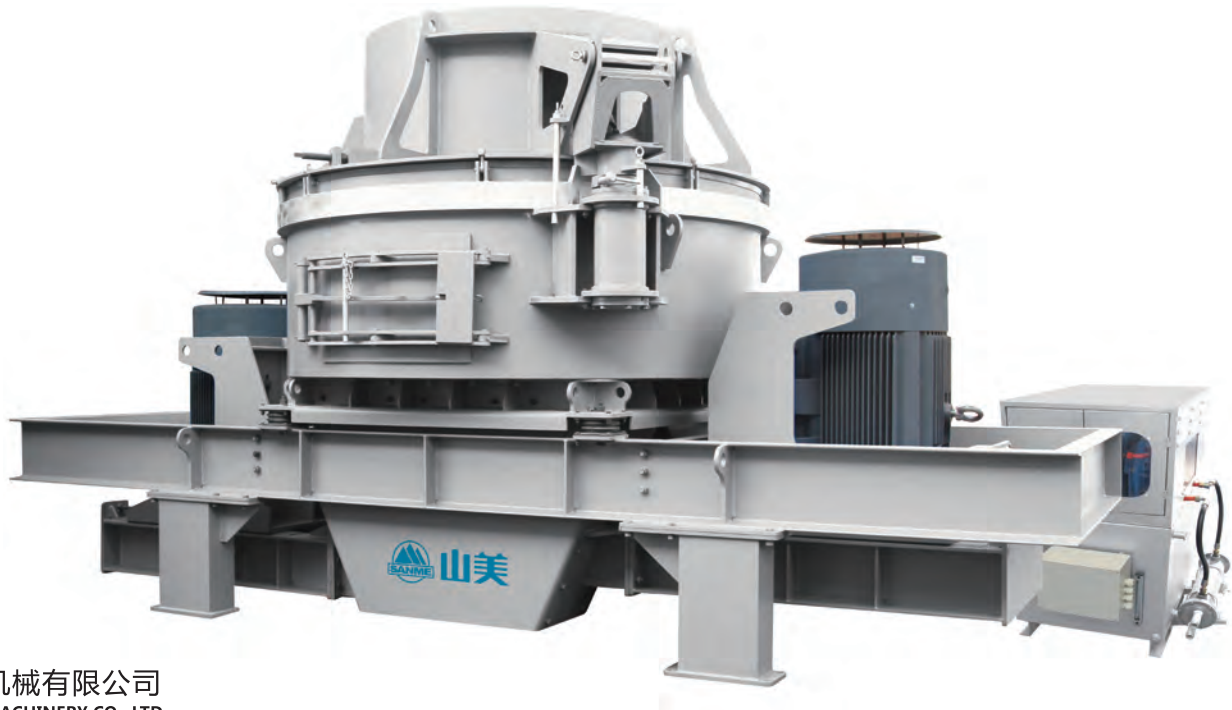
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If there are any discrepancy and difference between color of product appearance and actual machine type in the picture, color standard is subject to actual object.

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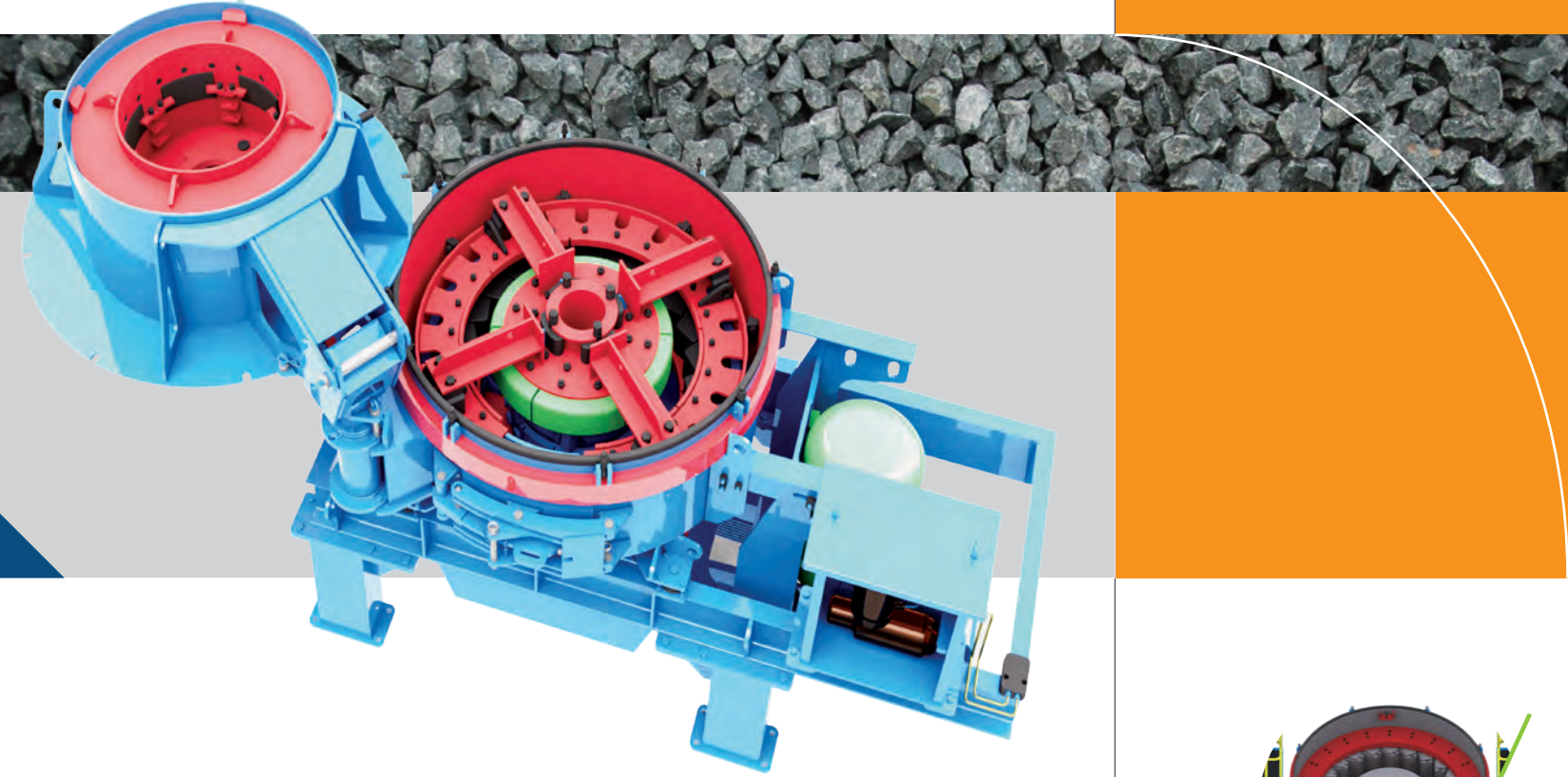
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VC7 Series Vertical Shaft Impact Crusher

VC7系列立式冲击破碎机

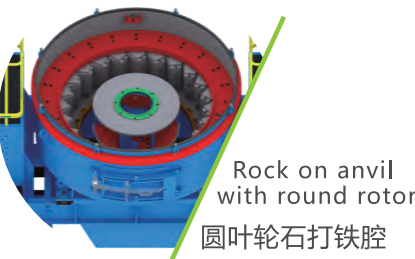
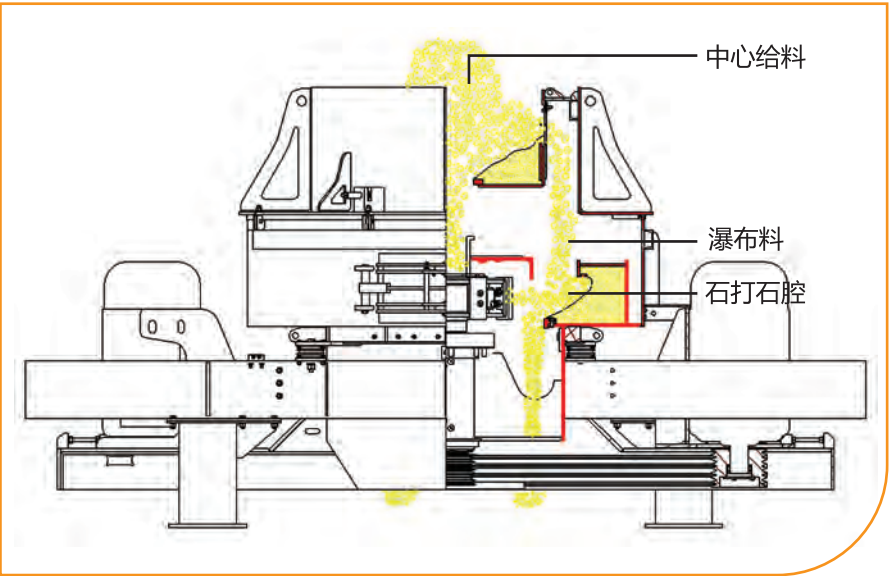
The chamber configuration

腔型配置



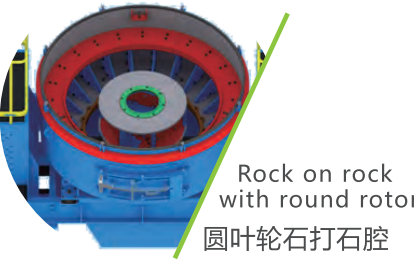
Vertical shaft impact crusher is also known as sand making machine, shape correction machine.
VC7 Series Vertical shaft Impact Crushers, which is high-functioned equipment for making sand and shaping, is researched and produced by our corporation, absorbed with the advanced technology from Germany, and owned advanced world standards. This equipment has two types: rock-on-rock and rock-on-iron.
The high velocity impact crushing achieved in this Series VSI improves the soundness and shape of stone, reducing product moisture and easing the screening task while producing superior products at a minimum cost. This autogenous crushing process produces the best-shaped aggregate on the market today.

立式冲击破碎机 ,又称制砂机、整形机。
VC7 系列立式冲击破碎机是我公司吸收德国先进技术研制并生产的、具有国际先进水平的高性能制砂设备。该机有“石打石”和“石打铁”二种形式。
此系列机型的高速冲击破碎提高了岩石的致密性、改良了粒型，从而在以最低成本产出优质产品的同时降低了产品水分 ,便于筛选。在当今市场上 ,这种自破碎过程可生产出最佳粒型的骨料。



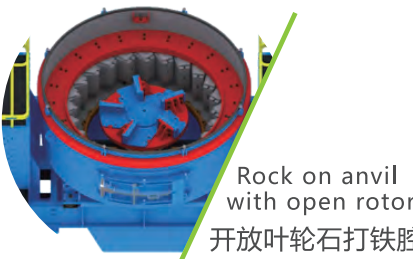
Application range: medium and low abrasive materials
Features: enclosed rotor and square anvils combine the grinding action of the rotor with the high efficiency reduction of anvils.

适用范围：
中等及以下磨蚀性物料
使用特点：
闭式圆叶轮加方块反击板配置，具有转子研磨作用和反击板的高效破碎特性。



Application range: all rock types and the most abrasive materials
Features: enclosed rotor and rock box configuration causes rock on rock crushing which produces the best shaped material with the lowest wear cost.

适用范围：
所有物料 ,特别是高磨蚀性物料
使用特点：
闭式圆叶轮加石打石腔配置 ,具有石打石破碎 ,易损件成本低 ,且产品粒形优异。



Application range: large feed, mild to medium-abrasive materials
Features: open rotor and rock on anvil configuration offers high tonnage of production, high reduction ratios and large feed size with equal conditions.

适用范围：
较大粒度中等磨蚀性软物料
使用特点：
开放叶轮加石打铁腔配置，同等情况下产量更高、破碎比更大 ,进料粒度更大。

Features and Benefits

主要特点和优点

- 1

Patented rotor
Deep rotor offers higher throughput; and unique rotor tip enhances service rate of alloy and extends maintenance interval.

专利圆叶轮
深腔结构，允许更高通过量；特殊刀头结构，提高了合金使用率 ,延长维修周期。
- 2

Perfect interchange between ROR and ROA
Rock on rock configuration produces the best shaped and most consistent material with the lowest wear cost, which is suitable for all rock types, especially for most abrasive materials; rock on anvil configuration offers high reduction ratios and high efficiency of sand making, which is suitable for medium abrasive materials. Unique crushing chamber structure enables to achieve a rapid interchange between rock on rock configuration (ROR) and rock on anvil (ROA).

ROR 与 ROA 完美互换
石打石腔易损件成本低，出料粒形好且均匀，适用与所有类型石料，特别是高磨蚀性物料；石打铁腔，破碎比大，成砂率高，适用于中等磨蚀性物料。独特破碎腔体结构，能完美实现“石打石腔 -ROR”与“石打铁腔 -ROA”的快速互换。
- 3

Rotor with thin oil lubrication
Compare with the traditional rotor with greasing lubrication, the rotor being lubricated by thin oil provides a wide speed range, which can meet various requirements for crushing different materials; patented seal configuration enables free-maintenance without exchanging the wear parts such as oil seal, etc.

稀油润滑转子
相比传统脂润滑转子转速范围更大 ,能更好满足各种不同特性物料的破碎需求；专利密封结构 ,无需更换油封等易损件 ,真正免维护。
- 4

Easy disassembly platform design
Unique platform structure not only provides access to operators for observing the feed and maintaining the equipment, but also protects the motor against wind and rain without affecting road transportation.

快速可拆卸平台设计
独特的平台结构，不影响道路运输。既能方便观察进料、维护设备，又能很好保护电动机免受风吹雨淋。
- 5

High automation
Enhanced automation makes normal maintenance easy; multiple protection measures reduce the down time and extend service life.

高自动化程度
自动化程度更高 ,正常维护更加方便；多种保护措施降低故障停机时间 ,使用寿命更长。
- 6

Superior particle shape
Superior cubical shape products with low content of flat and elongated particles are a result of the high velocity impact crushing principle of VSI crusher, which is particularly suitable for aggregate shaping and manufactured sand making, for instance producing the aggregate for highway construction.

完美粒形
基于高速撞击破碎机理，产品粒形优异，呈立方体，且针片状含量低；因此，特别适用于骨料整形及人工制砂 ,比如高速公路用骨料的生产加工。
- 7

Hydrascade feed technology
Patented feed adjustment device provides an accurate control of ratio between central feeding and the cascade. Hydrascade feed technology not only improved energy availability and increased throughput, but also managed product shape and fines content via cascade feed.

瀑布给料技术
专利给料调节装置 ,能精确控制中心入料与瀑布料的比列。瀑布给料技术，既能提高能量利用率，增加产量，又能通过瀑布给料调节产品粒形及控制产品含粉量。
- 8

Super quality, high reliability
All series crushers are equipped with specified motors with the brand of Siemens JV, main bearing can be used by the products of domestic and international famous brands such as SKF, FAG, TWB and ZWZ, etc; key components such as lubrication station and wear parts are used by the products of domestic and international famous brands.

高品质 ,可靠性更高
全系标配西门子合资品牌专用电机；主轴承可选 SKF、FAG、TWB、ZWZ 等国内外知名品牌；润滑站、耐磨件等关键零部件均采用国内外知名品牌产品。



VC7 系列
立式冲击破碎机
VC7 Series Vertical Shaft
Impact Crusher

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Power (电动机功率)	Dimension 外形尺寸 (mm)	Weight (excluding motor) 不含电机重量 (kg)
110	3600*1969*2200	<7055
132		
160		
180		
220		
264	4600*2150*2482	<10000
320		
400		
440		
500		
320	5500*2563*3178	<14020
400		
440		
480		
500		
440	5850*2740*3031	<21040
480		
500		
500		
500		

Power (电动机功率)	Dimension 外形尺寸 (mm)	Weight (excluding motor) 不含电机重量 (kg)
110	3600*1969*2200	<6955
132		
160		
180		
220		
264	4600*2150*2482	<9910
320		
400		
440		
500		
320	5500*2563*3178	<13820
400		
440		
480		
500		
440	5850*2740*3031	<21240
480		
500		
500		
500		

上述通过量是在物料密度为 1.5t/m³ 时并满负荷生产中的总吨数, 生产能力和破碎物料的物理性质、物料粒度、物料硬度及其湿度有关。
VC7H 系列为电动液压站, VC7 系列为手动液压站。
VC7(U7H) 为开敞式叶轮, 用于中硬以下物料; VC7 为圆叶轮, 用于中硬以上物料。



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