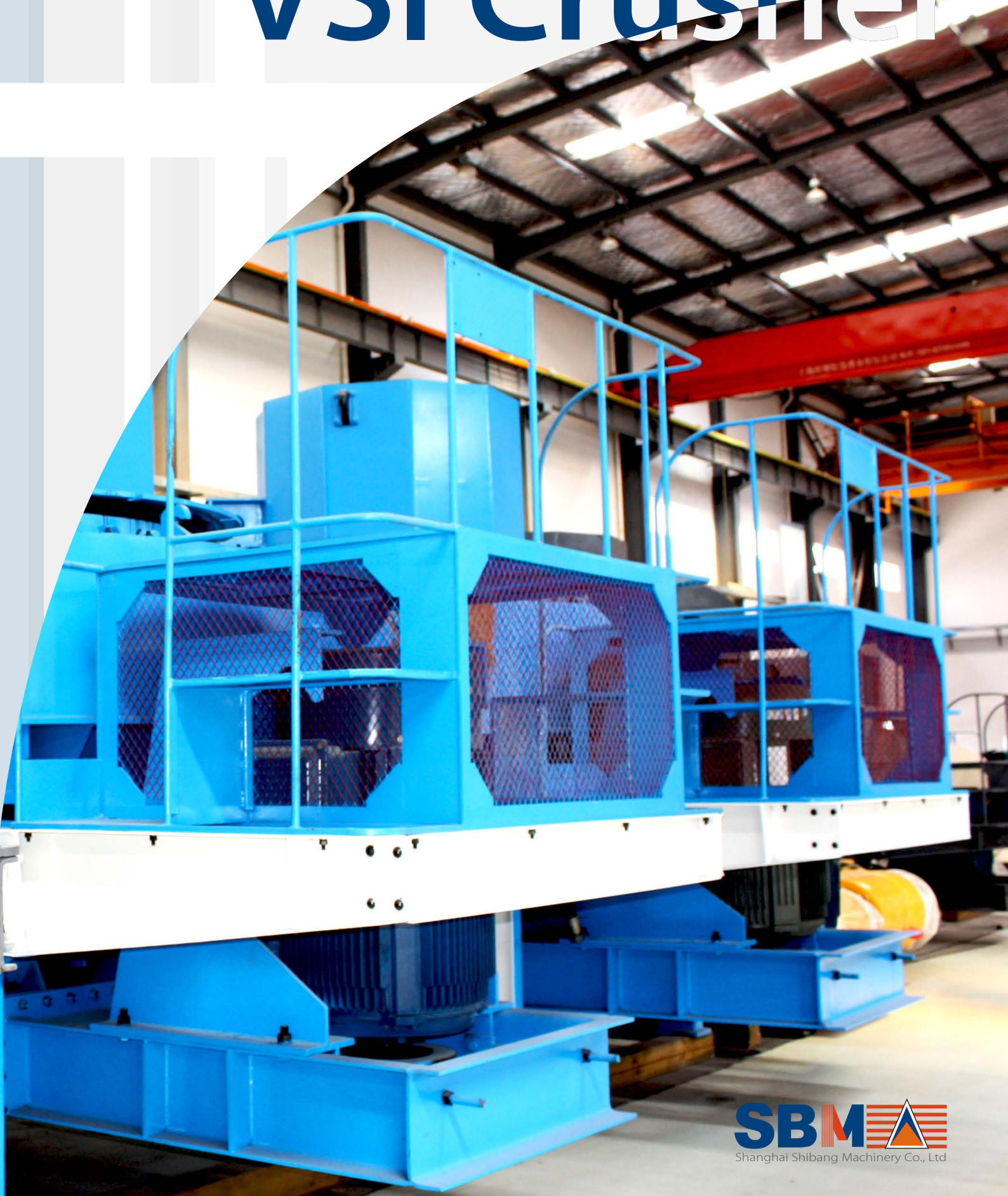


VSI Crusher





Overview

SBM Vertical Shaft Impact Crusher (VSI) is designed by reputed German expert of SBM and every index is in world's leading standard, which makes it become the most advanced and mainstream equipment in sand making business, replacing hammer crusher, roller crusher, roller ball mill, etc.

Application

VSI crusher is widely used in metal and nonmetal mine, concrete, fireproof material, abrasive filler, frit, construction aggregate, sand, metallurgy and so on. VSI crusher are applied to medium-fine crush all of the ore and rock such as iron ore, nonferrous metal, emery, bauxite, granite and so on.



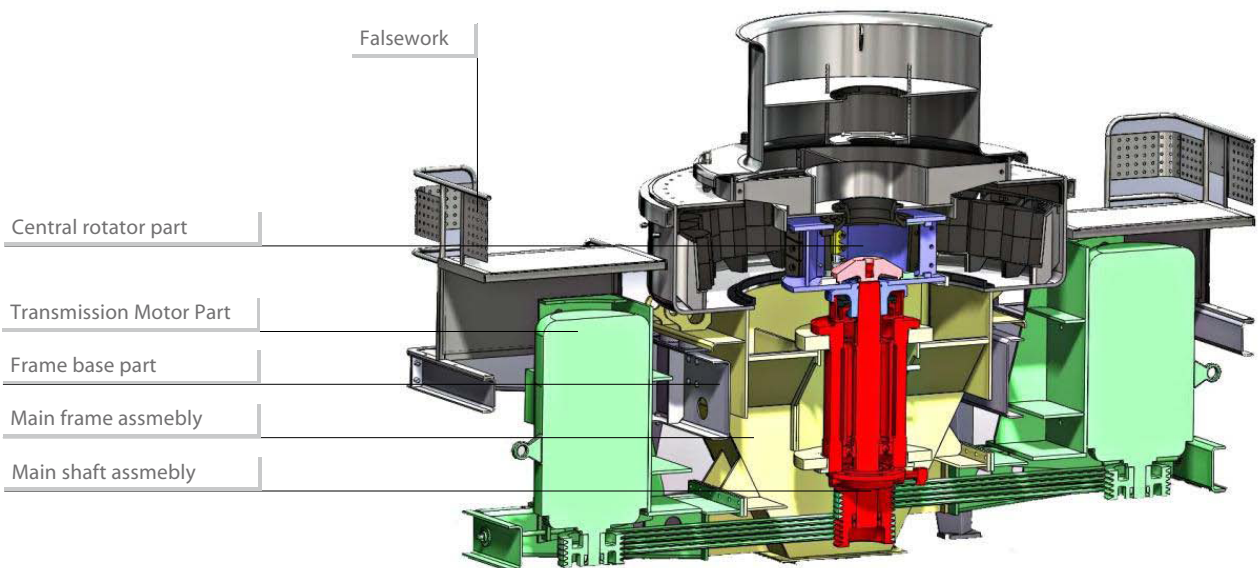
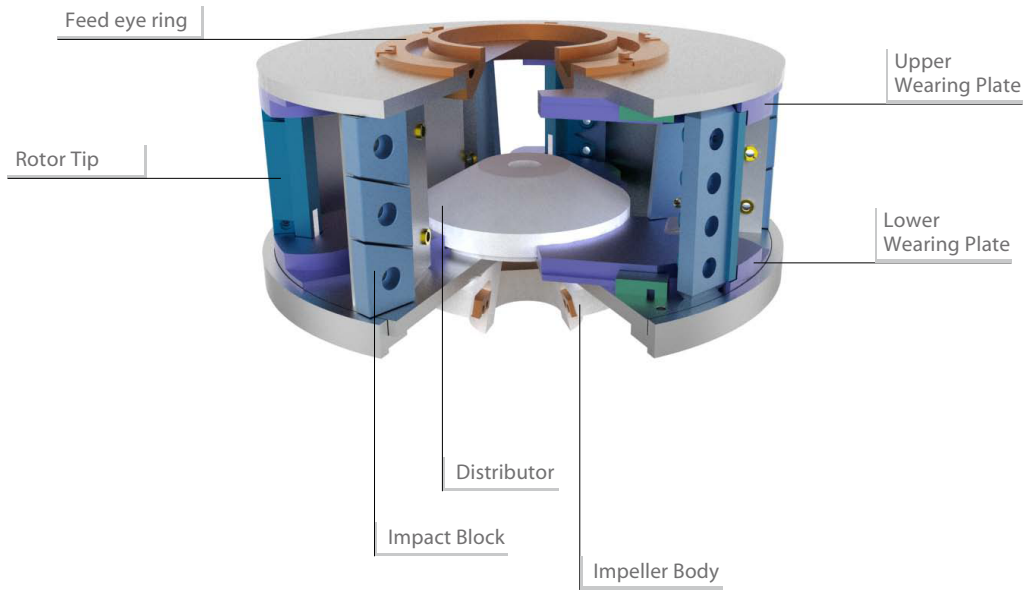
Main Features & Benefits

1. Advanced double pump light oil lubrication system minimizes the maintenance frequency, ensures the temperature to be within 25 centigrade, and prevents bearings and other transmission system from being abraded.
2. Hydraulic lift cap brings easy and convenient replacement and maintenance reduce labor intense.
3. Over vibration and oil filtering alarm system enhance the security.
4. Special dustproof seal system, prevents outside powder from entering oil mouth.
5. Unique feeding method change between central feeding and central feeding with cascade feeding make "rock on rock" and "rock on iron" possible, both crushing and shaping are achieved. It can be operated 720 hours continuously.
6. Particular material throw head design and reasonable material selection prolong the service time.
7. Better design of the impellers reduces the resistance of materials, high lightens passing through quantity of materials and crushing ratio, efficiency raise by 30-60% compared to traditional machines.
8. High quality roller bearing like Sweden SKF and America Timken ensures the smooth running of main unit.



Main Structure

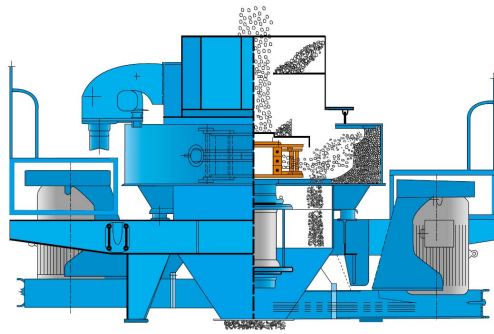
Main structure of VSI series crusher: riveted frame base, main shaft assembly, rotator assembly, transmission motor assembly, frame, hydraulic jacking assembly and double sides' falsework. Auxiliary parts: electrical system, lubrication system.



Working Principle

Feed at center :

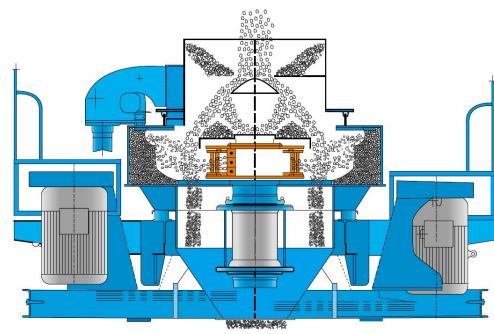
The crushing principle of HPC is finished between fixed cone plate and movable cone plate. The motor drives the horizontal axis of the crusher through triangle belt and pulley, the horizontal axis drive the eccentric shaft bush to rotate through gear transmission. The eccentric shaft drives the main shaft to make the movable cone plate swing at a regulated track from time to time, the materials are crushed due to constant pressed and crooked in the crushing cavity. The finished products are discharged from the discharging opening.



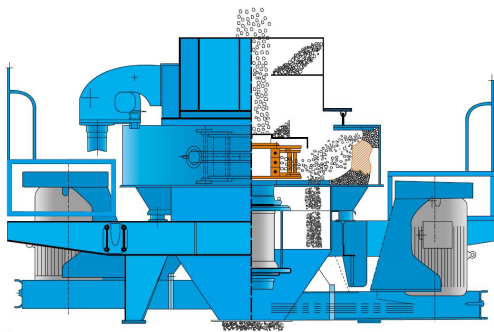
Feed at center - rock on rock

Feed both at center and at sides :

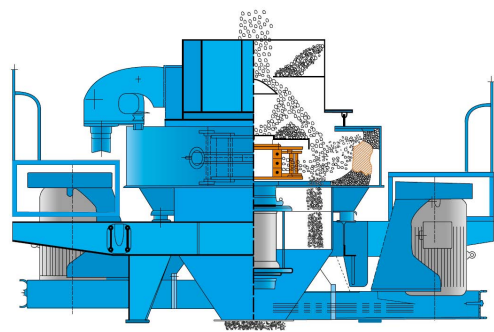
The materials fall into the hopper and circle hole and then be dividend into two pats by the distributing plate, One part of materials cross the distributing plate and enter in to the high speed impeller and then is accelerated and throw out from the impeller . The other falls down from the sides of distributor. Firstly, the materials strike with the materials that are free falling down. Secondly, materials strike the materials-liner in the vortex or the impact liner and are rebounded to the top of crushing cavity and then deflecting fall down. Thirdly, the falling materials with the shoot materials form a continuous materials curtain. Lastly, crushed materials be discharged from the under discharging opening.



Feed both at center and at sides - rock on rock



Feed at center - rock on iron



Feed both at center and at sides - rock on iron



Technical Data

Model		B-VSI7611	B-VSI8518	B-VSI9526	B-VSI1140
Capacity (t/h)	Feed both at center and at sides	120-180	200-260	300-380	450-520
	Feed at center	60-90	100-130	150-190	225-260
Max feed size (mm)	Soft material	<35	<40	<45	<50
	Hard material	<30	<35	<40	<45
Rotation speed (r/min)		1700-1890	1520-1690	1360-1510	1180-1310
Power (kw)		110-150	180-220	264-320	400-440
Overall dimension L*W*H (mm)		3700×2150×2100	4140×2280×2425	4560×2447×2778	5000×2700×3300
Weight (t)		7.8	10.3	16	25.6
Power supply		380V, 50HZ	380V, 50HZ	380V, 50HZ	380V, 50HZ
Vibrating sensor		Detect range: 0.1-20mm/s continuous and adjustable			
Lubrication and hydraulic station	Power	2×0.31KW			
	Safety assurance	Double oil pumps assure enough oil supply; Automatic switch off with no oil stream or hydraulic strength; Lower the temperature with cool water in summer; Raise the temperature with motor in winter.			
	Overall dimension L*W*H (mm)		820×520×1270	820×520×1270	
	Power of oil tank heater	2KW			

Note: This specification is just reference, any changes are subject to the VSI crusher products.



Service

Since the establishment, Shanghai Shibang Machinery Co., Ltd has regarded "All is for clients" as its service goal and has provided high-quality, high-taste, high-efficient and all-around-way service for its clients.



Service Promise: from the design process to delivery, we do every step carefully to satisfy clients to the best.

1. Pre-sale services

Act as a good adviser and assistant of clients; enable them to get rich and generous returns on their investments.

- ◆ Select equipment model;
- ◆ Design and manufacture products according to clients' special requirement;
- ◆ Train technical personnel for clients;

2. Services during the sale

Respect clients; devote ourselves to improving the total value of clients.

- ◆ Pre-check and accept products ahead of delivery;
- ◆ Help clients to draft solving plans.

3. After-sale services

Provide considerate services to minimize clients' worries.

- ◆ Assist clients to prepare for the first construction scheme;
- ◆ Install and debug the equipment;
- ◆ Train the first-line operators on site;
- ◆ Examine the equipment regularly;
- ◆ Provide maintenance for big items.
- ◆ Provide technical exchanging;
- ◆ Provide perfect service;
- ◆ Distribute the guarantee fittings door-to-door;
- ◆ Take initiative to eliminate the troubles rapidly at site.





VSI Crusher

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Any change of technical data shall not be advised additionally.