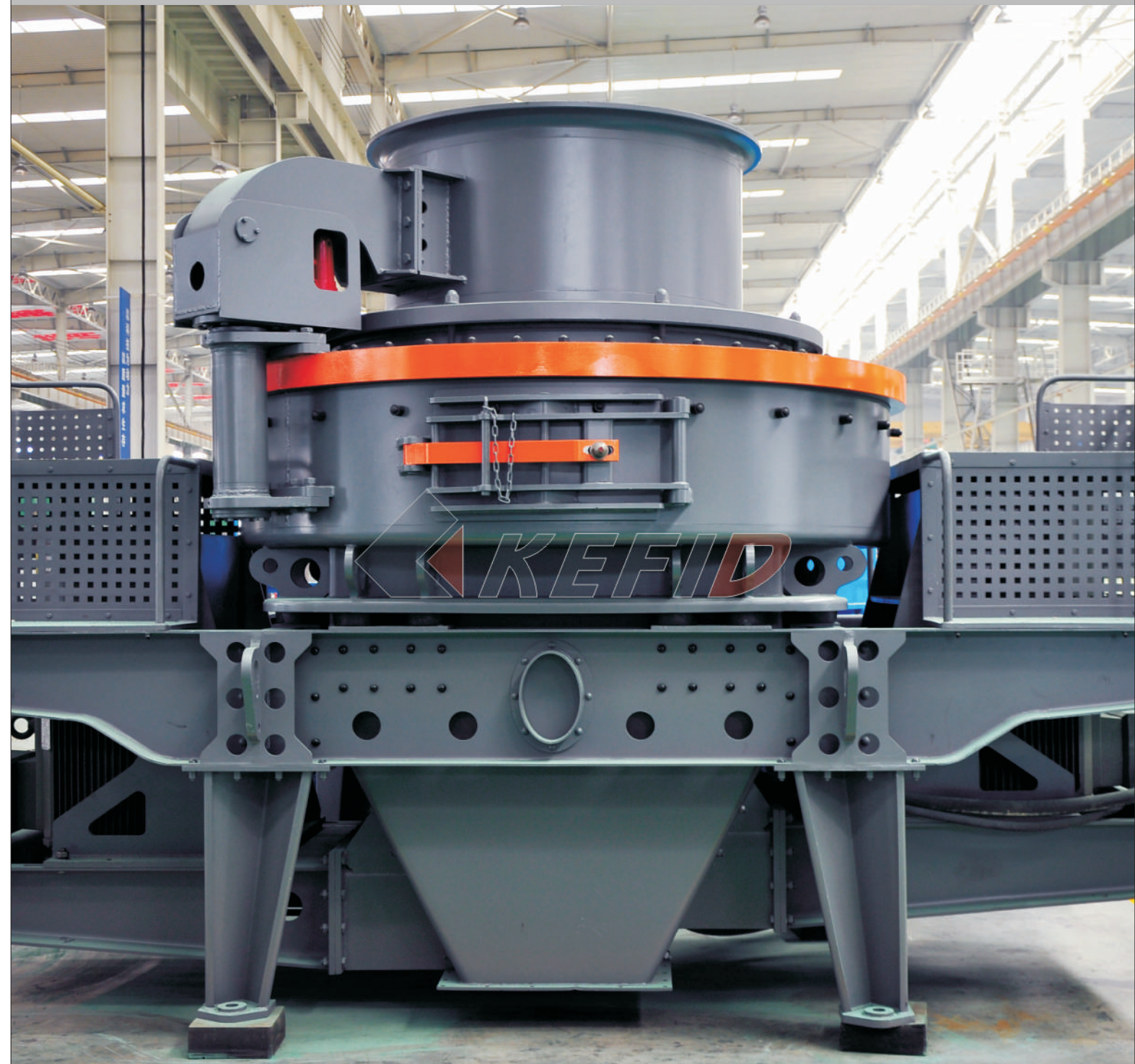




Reach new height with KEFID

Deep Rotor VSI Crusher

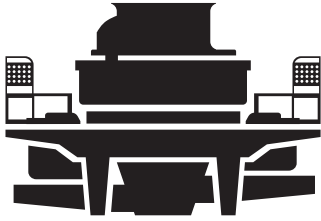


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Brief Introduction:

deep rotor VSI crusher series of Vertical shaft Impact Crusher introduces German technology. deep rotor VSI crusher with many patents is key equipment in sand making area. deep rotor VSI crusher is a kind of totally new high efficient crusher. deep rotor VSI crusher series of Vertical

Shaft Impact Crusher is widely used in various metallic and nonmetallic ores, cement, corhart, abrasive material, glass, construction material, machine-made sand, metallurgy, etc. It is also applicable to crush various stones with different hardness in medium and fine crushing area, such as iron ore, non ferrous metal, emery, bauxite, quartz sand, basalt, etc.





Advantages:

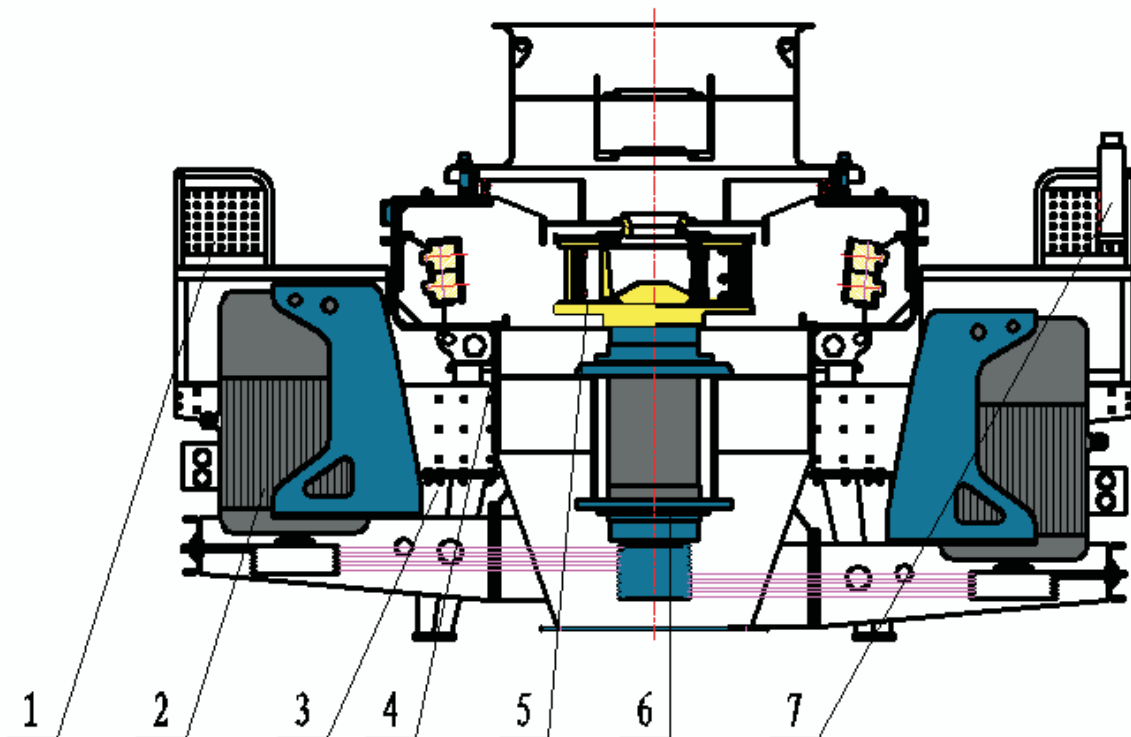
1. Rotor with deep chamber increases 30% capacity after perfect design.
2. Side plate direction can be changed to increase material utility ratio, operating ratio can be increased 48%.
3. Worn hammer with combined type is only changed to reduce operating cost 30%. Another pair of vice hammer is added to prevent from damaging main hammer and side plate.
4. The most key wear resistant material uses wear resistant and high temperature resistant material in American important area.
5. Rhombus shape impact plate is used to prevent side plate from being damaged.
6. Bearing is famous international brand imported from Japan, Sweden, America, etc.
7. Perfect discharge and smooth curve reduce resisting force when material flows, so capacity is increased greatly.
8. Spread dish with double purposes can make two feeding ways change easily.
9. Special seal structure under main shaft guarantee no oil leak without seal.
10. Japanese hydraulic opening cover device is originally imported. The cover is moved easily and inspection of inner part is easy.
11. Motor with high grade of protection is selected. The motor has features of high efficiency, low noise, etc. The motor complies with IEC, insulation grade F, protection grade IP54/55.





Main structure:

deep rotor VSI crusher series of Vertical Shaft Impact Crusher is widely used in various metallic and nonmetallic ores, cement, corhart, abrasive material, glass, construction material, machine-made sand, metallurgy, etc. It is also applicable to crush various stones with different hardness in medium and fine crushing area, such as iron ore, non ferrous metal, emery, bauxite, quartz sand, basalt, etc.



1. platform,
2. motor,
3. support seat
4. upper and lower frame assembly,
5. central rotor assembly,
6. main shaft assembly,
7. lubricating oil container



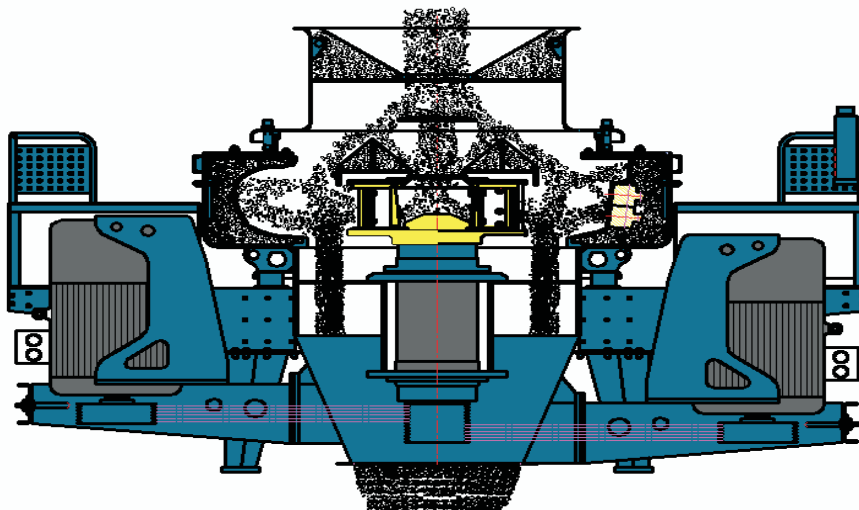
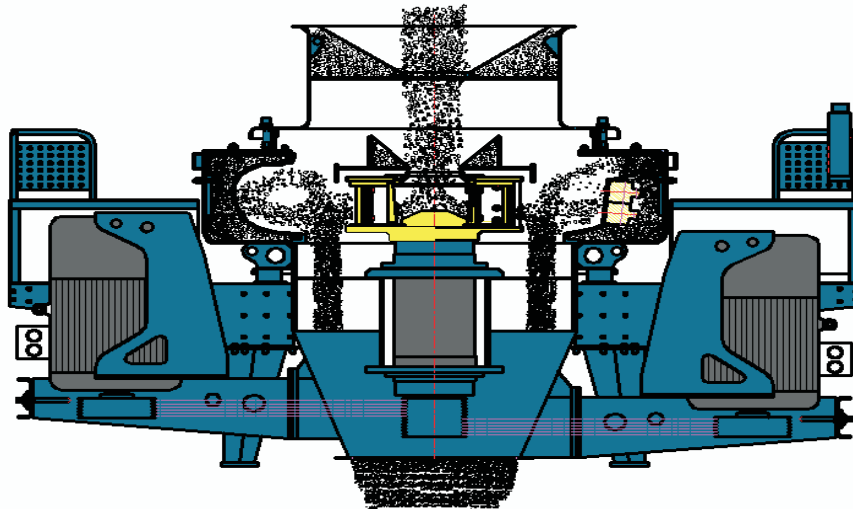
Working principle

Central feeding: see drawing one,

the materials drop into the hopper, and then enter the rotor rotated with high speed through the central feeding hole and are fast speed up and cast out of the rotor. Firstly they will be impact with parts of the materials that free fallen after rebounded and then they impact with the impacting plate around the vortex cavity. Together they will be rebounded to the top of the crushing chamber, and then change the direction upward to right downwards and form continuous materials screen with the materials which are cast our from the impeller flow way plate. At last, the final products will be discharged from the outlet

Central feeding with ring feeding: see drawing two

When materials enter the hopper, and they will be divided into two parts by the materials-distribution tray when they fall down through the ring-shape hole. One part enter the high speed rotated rotor through the materials-distribution tray and another part fall down around the materials-distribution tray, the materials which enter the rotor will be cast out after speeding up fast inside the high speed rotated rotor, firstly will be impact crushed with another part of materials with fall down around the distribution tray and together they impact to the impacting plate around the vortex cavity, they will be rebounded to the top of the crushing chamber, and then change the direction upward to downwards and form continuous materials screen with the materials which are cast our from the rotor flow way plate. At last, the final products will be discharged from the outlet.





Technical parameters:

Main technical parameters:

Model		DR-7615	DR-8522	DR-9532	DR-1145
Throughput capacity (t/h)	Center and Ring feeding	150~280	240~380	350~540	500~640
	Center feeding	70~140	120~200	180~280	250~360
The best Feed Size (mm)	Soft material	<35	<40	<45	<50
	Hard material	<30	<35	<40	<45
Rotation speed (r/min)		1700~1900	1500~1700	1300~1510	1100~1310
Power of double motor (KW)		110~150	180~220	260~320	400~440
Overall dimension L x W x H (mm)		4100×2330×2300	4140×2500×2700	4560×2600×2900	5000×2790×3320
Weight (t)		8.6	11.8	17.5	27.5
Thin oil lubrication station	Power for double oil pump	2 x 0.31 KW			
	Safety	To make sure the supply of oil with double oil pump, working without oil, temperature when water cools, start the motor by heating it in winter.			
	Power for oil box heater	2 KW			
	Overall dimension L x W x H (mm)	820 x 520 x 1270			

Note: Capacity depends on crushing limestone, material size, moisture and features also affect capacity.



Lubricating system parameter:

Oil box volume (L)	240
Rated pressure (M Pa)	0.63
Flow capacity (L/min)	8
Power (KW)	0.31
Cooling water consumption (m ³ /h)	≥1.2
Electrical heating voltage (V)	220
Media	Bearing oil 3246#



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