



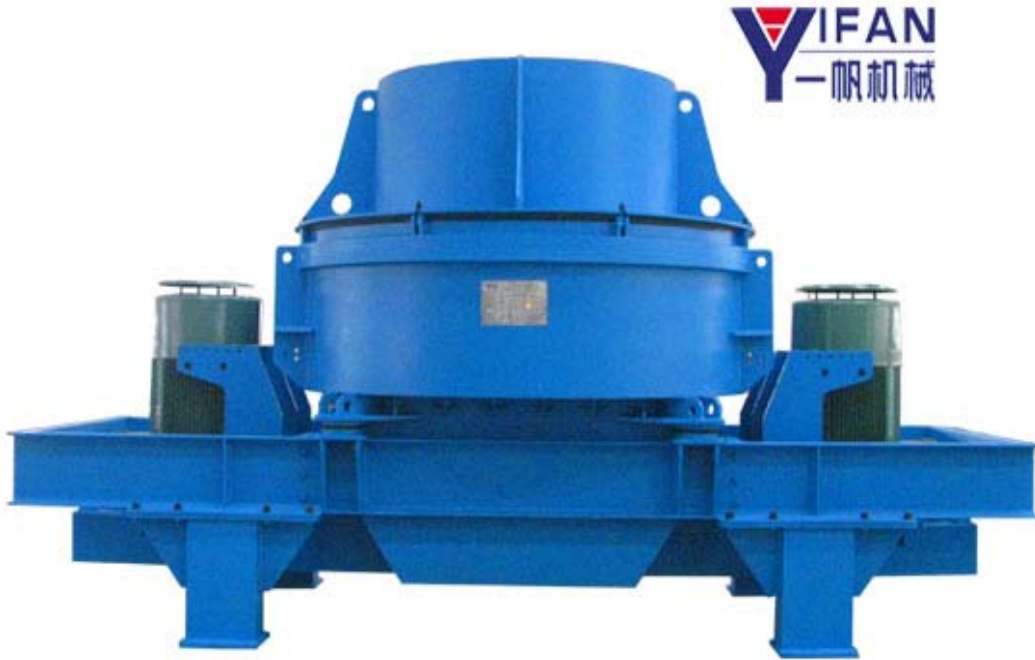
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## Sand Making Machines (Vertical Shaft Impact Crusher)



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<http://www.yfcrusher.com>

YIFAN Vertical shaft impact crusher designed by Zhengzhou Yifan Machinery Co.,Ltd had been approved by top authoritative institution--National Mining Machinery Material Quality Supervision Inspection Center on September 9, 2006. Result display that all 15 indexes totally accords with the national standard. The key technical index shows that proportion of the material less than 5mm is 64.52% of total capacity. This index had exceeded the national standard 20-50%. It's proved that YIFAN is the first manufacturer for vertical shaft impact

crusher test who had be inspected by national authoritative organization.

VI Series Vertical Shaft Impact Crushers have another name called Sand Maker, which is high-performance equipment for sand making and shaping, is researched and produced by our corporation through absorbing the advanced technology from Germany, and has achieved world advanced standards. This equipment has two types: rock-on-rock and rock-on-iron. Sand yield of “rock-on-iron” type is higher by 10-20% than that of “rock-on-rock” type.

### **Usage of VI Series Vertical Shaft Impact Crusher**

It is used for producing building aggregate, concrete, aggregate for road surface and roadbed, asphalt concrete and cement concrete.

It is also used for sand making and shaping in the field of engineering such as water conservancy, hydroelectric power, high-class highway, railway, bridge and municipal works.

It is used in fine crushing of mining industry such as building materials, metallurgy, chemical engineering, mining, anti-fire material, cement etc.

Vertical shaft impact crusher is used for producing glass raw material and quartz sand etc.

### **Working Principle of VI Series Vertical Shaft Impact Crusher**

Material falls down to impeller cavity. Under great centrifugal force, it hits material that coming downwards. After hitting each other, they form a vortex between impeller and shell, and hit each other several times,

finally smaller stone comes out, and goes to vibrating screen. Satisfactory material is transported by conveyor belt. However overlarge material will go back to Vertical Shaft Impact Crusher to be recrushed. Output sizes can be made according to customer's requirement.

Features and Benefits:

1. Simple and reasonable structure, lost running cost.
2. High crushing rate, energy-saving.
3. It has fine crush and coarse grinding function.
4. It is little affected by the moisture content, and the content can get up to about 8%.
5. It is suitable to crush medium hard, hard special materials.
6. Excellent product of cubic shape, and small fraction of elongated flaky particle shape
7. Small wear from Impeller liner, and easy maintenance
8. Working Noise is lower than 75 decibel, dust pollution

Model	Maxfeed ize ( mm )	Rotate (r/min)	Capacity (t/h)	Power (kW)	(L×W×H) Dimension (mm)	Weight (kg)
VI-1000	30 (50)	2300-3200	3-20	7.5-22	2200×1300×1880	≤2800
VI-2000	40 (60)	2000-2500	10-40	30-45	2200×1500×1580	≤3350
VI-3000	45 (70)	1700-2000	30-60	75-90	3600×1600×1810	≤4900
VI-4000	55 (70)	1400-1620	50-90	110-150	3700×1800×1900	≤6900
VI-5000	65 (80)	1330-1530	80-150	180-264	4000×2160×2230	≤11640
VI-6000	80 (100)	1200-1400	120-250	264-320	5200×2660×2560	≤15170
VI-7000	80 (100)	1000-1200	180-350	320-400	5300×2660×2830	≤16280
VI-8000	100 (150)	1000-1100	250-500	440-500	6000×3000×3420	≤23450
VI-8000 (II)	100 (150)	1000-1100	400-650	500-630	6000×3000×3590	≤25050
VI-9000	110 (150)	900-1000	550-1200	630-740	6200×3300×3890	≤33100

Nots:

- 1、 The capacity is total tons per hour passing through crusher at open circuit when crushing mid-hard material and loose density with  $1.6 \times 103 \text{Kg/m}^3$ . Capacities are relative to physical character and type of feeding, feeding size and composition and so on.
- 2、 The number inside brackets is applicable to low corrosive material.

For further details, please visit our website: [www.yfcrusher.com](http://www.yfcrusher.com) .

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