



## **HENAN KEXING HEAVY INDUSTRY CO., LTD.**

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### VSI sand making machine



#### **Sand Making Machine:**

Sand Making Machine (namely PCL Vertical shaft impact crusher) is of high-power and low-cost, which is designed depending on several years' hard work and study of mechanical mining equipment. Sand Makers absorbed the advanced technology of the same products of Bar-mac Company of America, now is of the international level. Sand Making Machine plays an important role in crushing minerals into pieces. PCL Vertical shaft impact crusher is widely used in all kinds of mineral, cement, cor-hart, bauxite ch-motte, carborundum grain, glass raw material, machine made construction sand, stone stock and all kinds of metallurgy slag, especially carborundum, sintered bauxite, magnesite, and so on material with features of very hard and anticorrosion. And Sand Making Machine is more productive than other kind of crushers.

#### **Working Principle Of Sand Making Machine:**

Stone less than 50mm enters sand making machine through conveyor belt. Stone is crushed by hitting other stones. 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 to sand washing machine, however overlarge material will go back to

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sand maker to be rec-rushed. Output sizes can be made according to customers requirement. If input size is larger than the designed size, other crushing equipment will be necessary.

### Characteristics of Sand Making Machine:

Simple structure and low operating cost; High efficiency and low consumption; Sand Making Machine has the function of fine crushing and crude grinding; Slightly influenced by the moisture content of material, and the max moisture content is 8%; More suitable for crushing mid-hardness and high-hardness materials; Cubic shape of final products, high piling up density and low iron pollution; More wearable and easy maintenance; Low working noise and less dust pollution

### Technical Data of Sand Making Machine:

Model	Feeding size (mm)	Power (Kw)	rolling speed of Impeller (r/min)	Capacity (t/h)	Dimensions (mm)	Weight (including motor) (T)
PCL-600	30	2×30	2000-3000	12-30	2800×1550×2030	5.6
PCL-750	35	2×45	1500-2500	25-55	3300×1800×2440	7.3
PCL-900A	40	2×55	1200-2000	55-100	3750×2120×2660	12.1
PCL-900B	40	2×75	1000-1450	65-130	3750×2300×2090	13.6
PCL-1050	45	2×(90-110)	1000-1700	100-160	4480×2450×3906	16.9
PCL-1250	45	2×(132-180)	850-1450	160-300	4563×2650×3716	22
PCL-1350	50	2×(180-220)	800-1193	200-360	5340×2940×3650	26



Lubrication and hydraulic station

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