



## Shanghai Shibang Machinery Co.,Ltd.

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### Sand Making Machine Application:

**Sand Making Machine** is also called sand maker. It is a kind of highly efficient rock crushing plant at domestic and international advanced level researched and developed by Shanghai Shibang Machinery Co., Ltd. by introducing the famous crusher principle and technology of "stone against stone" from America Barmac Company in accordance with the actual conditions of sand production at home.

The crusher is widely used for medium and fine crushing (sand making) for various hard and brittle materials such as rocks, grinding materials, refractory materials, cement clinker, quartz, iron ore and concrete aggregate, etc. It is especially appropriate for sandstone for architecture and road construction.

**Working features:** (1) the **Sand Making Machinery** is with simple structure and low cost.

(2) It has high efficiency while saving energy and high reduction efficiency.

(3) The equipment has the function of fine and coarse grinding.

(4) The non-crushed materials can easily pass through the equipment, which is seldom influenced by water in the materials. The moisture content is allowed to reach 8%.

(5) It is capable of crushing medium and extra hard materials (such as corundum and sintered bauxite, etc.).

(6) The product is in the shape of a cube with little iron pollution.

(7) Self-supporting of materials in impeller and vortex crushing cavity greatly reduces cost of worn parts and

### Sand Making Machine Working principle:

**Working principle:** load through boot into the **Sand Making Machine** The materials are divided into two parts by the distributor. One enters rapidly rotating impeller through middle of the distributor. Then the impeller speeds up immediately with acceleration hundreds of times higher than acceleration of gravity.

The materials are thrown out through 3 evenly distributed flow passages from the impeller at a speed of 60-70m/s to be crushed together with the part of materials left around the distributor, and then impacted to the material lining in vortex cavity branch. After rebound by the lining, the materials are impacted transversely upward to top of the vortex cavity, and then move downward.

Materials transmitted from flow passages of impeller form a continuous material curtain. A piece of material undergoes random impact, friction and grinding for at least twice in the vortex crushing cavity. The crushed materials are discharged through discharge slot on the lower part. The equipment forms closed circuit with circulative screening system. Generally, the materials will become less than 20 meshes after circulation for 3 times.

During the whole crushing process, the materials impact and crush with each other. Not contacting directly with metallic components, the materials are crushed by impact and friction with the lining, so as to reduce corner pollution and extend the time of mechanical wear. Dust pollution is eliminated by ingenious self-circulating air in the vortex cavity.

amount of maintenance work.

(8) It is convenient to operate, maintain and install the equipment.

(9) The noise intensity is lower than 75 decibels (dB level).

(10) The equipment is characterized by little weight, various installation methods and movable installation, etc.



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