



Sand Washing Machine

The [sand washing machine](#) is depending on the practice in sand and stone production, absorbing the leading technology home and abroad, and is widely used in sand making industry. It has high efficiency and has the features of reasonable structure, high capacity and low consumption. It can make final products free from dirt and impurities and reduce the high quality sand loss. It is on behalf of the new technique compared with the same equipment in other companies.



Application Of Sand Washing Machine

The [Sand washing machine](#) are mainly used in building site, gravel plant, concrete dam building site of hydropower station, etc., and with features of high degree cleaning-up, reasonable structure, large capacity, low power consumption, small loss of the sands during the washing process, especially for that the drive parts of the sand washing machine are separated from water and sands. So that it has lower failure rate than the usual sand washing machine.



Operating principle Of Sand Washing Machine

The electric motor runs slowly with the impellor after decelerated by the belt, decelerator and gears wheel. The sand and stone flow into washing launder from feeding launder, rolls with the impellor, and grinds each other. The impurity covering the sand is washing away. At the same time, add more water, the strong water flow will take away waste and some low-weight wastes from washing launder. Through the above process, the washing function is finished. The clean sand and stone is lift up by vane. When it goes up slowly, the water begins to drop through the mesh and fall back in the washing launder. On one hand, water is removed from the sand and stone; on the other hand, the water can be fully used. Finally, the sand and stone goes to the out launder from the rotary impellor to finish the washing task.

Feature Of Sand Washing Machine

1. Simple structure. The bearing device of impeller drive is separated from water and materials with water, to avoid in a large degree that the bearings are damaged by being soaked with water, sand or some polluted things.
2. Being used for cleaning sand in quarries, it has many advantages compared with traditional spiral sand washing machine: There is little loss for medium-sized and fine sand and stone powder. The grade and the fineness of the sand for construction after being washed can be up to the national standards, such as sand for construction and cobble and broken stones for construction. There are no other wear parts except the screen mesh. It has longer service life and lower maintenance frequency.

Technical Data Of Sand Washing Machine

Type	Screen Mesh(mm)	Capacity(t/h)	Power(kw)
GX3016	3-10	200	11
GX2900	3-8	100	7.5
GX2600	2-6	50	5.5



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