

## Sand Washing Machine

The sand washing machine is used to remove dust in sand. The sand washing machine aims at improving the quality of sand. The sand washing machines' advantages are: reasonable structure, high efficiency, and little sand loss during washing; the most advantageous factor is that the transmission device isolates with sand and water, which greatly reduces the failure rate. The sand washing machine is the perfect equipment for domestic sand washer industry.



**The Zenith Sand Washing Machine Working Principle:**

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.

**The Sand Washing Machine Features :**

1. Reasonable structure, large capacity, low consumption, little loss of the sand during the washing process, low failure rate. :
2. 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.
3. There are no other wear parts except the

screen mesh.

4. The sand washing machine has longer service life and little maintenance chance.

**The Zenith Sand Washing Machine Paramator:**

Model	XSD2610	XSD2816	XSD3016
Spec. of Impeller (mm)	$\Phi 2600 \times 1000$	$\Phi 2800 \times 1600$	$\Phi 3000 \times 1600$
Impeller Speed (r/min)	1.178	1.177	1.179
Capacity (t/h)	20-50	30-60	50-120
Input Size (mm)	$\leq 10$	$\leq 10$	$\leq 10$
Weight (t)	4.6	7.5	9.6
Motor Power (kw)	5.5	11	15
Decelerator Model	ZQ50-50-T-Z	ZQ65-50-T-Z	ZQ65-50-T-Z
Overall Dimension (mm) (L×W×H)	3255x1982x2690	3540x3000x2880	3845x3000x3080