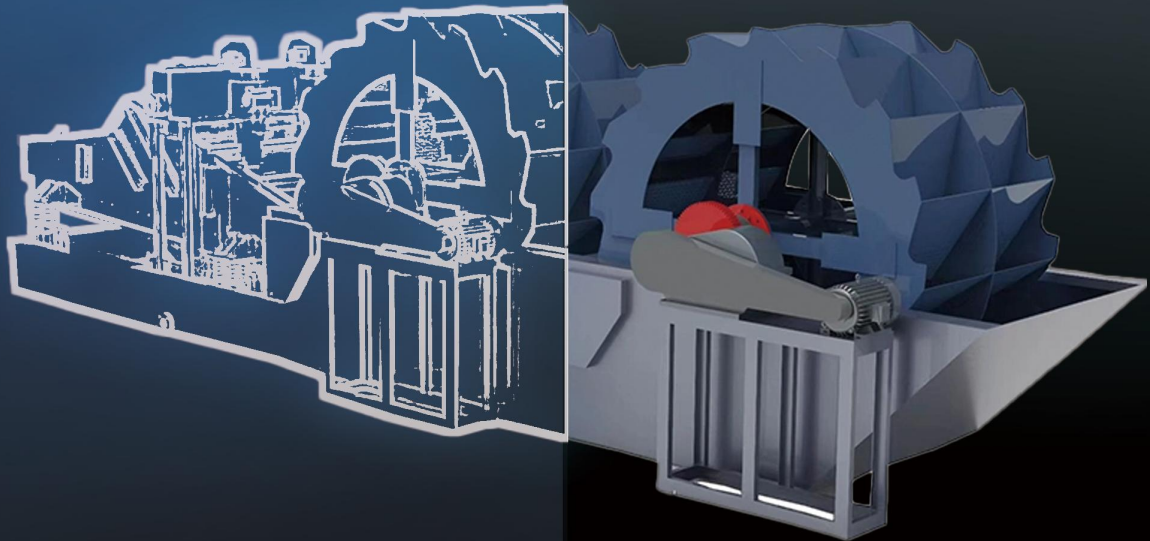




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# XSD Sand Washer

Capacity: 20-120t/h  
Max. Input Size: 10mm



Craftsmanship  
Shape the reputation of trust



# Features

## **Large Capacity & Low Production Cost**

The capacity of a XSD Sand Washer can reach 180t/h, which satisfies most sand washing requirements. The sand-washer is of small investment and low power consumption. So the production cost can be saved a lot.

## **Simple Structure & Low Failure Rate**

The XSD Sand Washer is of simple and reasonable structure. The impeller drive bearing device is separated from the water and materials exposed to water. The new sealing structure and totally enclosed oil bath-type transmission device greatly avoid the occurrence of bearing damages caused by water soaking, sand and pollutants.

## **Multiple Functions---Washing, Dewatering And Grading**

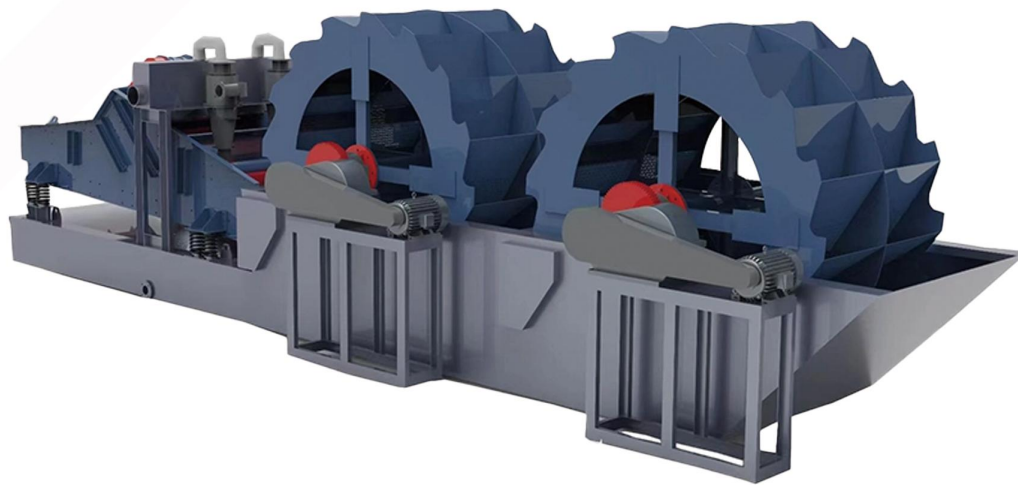
The XSD Sand Washer possesses washing, dewatering and grading functions. When working, the aggregate will grind mutually under the driving of impeller to remove the sundries covering on the aggregate surfaces and destroy the water vapor layer covering the sand. The XSD Sand Washer can also complete the washing and purifying functions under the effect of strong water flow.

## **Long Service Life & No Pollution**

XSD Sand Maker has good structural layout and effective sealing design, allowing it to operate for a long term without maintenance (i.e., it is durable.). The water consumption is low and the operating noise is small which meet the national environmental protection standards.

## **Simple Structure & Lower Maintenance Cost**

The equipment is composed of three parts: tank body, support spring and vibration motor. The tank body adopts reinforced design, which is firm and reliable; the drive structure of Italian brand vibration motor is adopted without rotating moving parts, which is convenient and reliable for operation and maintenance.



### **Application**

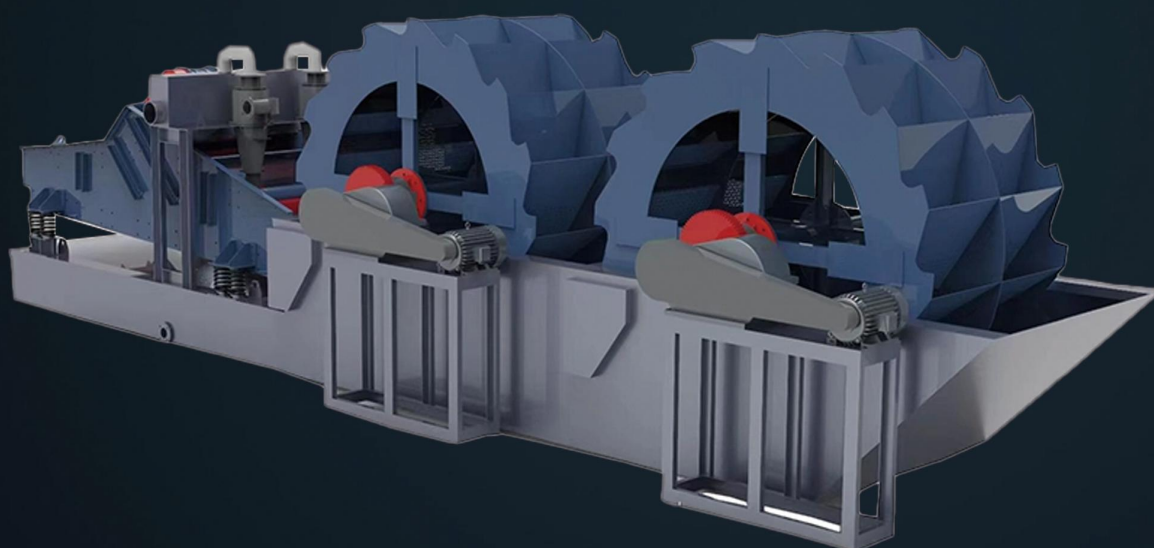
Popular among aggregates, highway construction, railway construction, airport building and some other industries.

### **Material**

Most kinds of rocks, metallic ores, and other minerals, such as granite, marble, basalt, iron ore, copper ore, etc.

XSD Sand Washer is widely used for cleaning materials in the following industries: quarry, minerals, building materials, cement mixture station and so on.







# Technical Parameters

Model	Impeller Size (mm)	Feeding Size (mm)	Capacity (t/h)	Motor Power (kw)	Weight (t)	Overall Dimension (mm)
XSD2610	ø2600×1000	<10	20-50	5.5	2.68	3255×1982×2690
XSD3016	ø3000×1600	<10	50-120	11-15	3.26	3845×3000×3080
XSD3620	ø3600×2000	<10	60-150	18.5	4.30	4500×3206×3480

**Notice:** Any change of technical data shall not be advised additionally.





# WORKING PRINCIPLE

When a XSD Sand Washer is working, driven by the motor, the impeller starts to rotate slowly under the coordinated action of triangular belt, reducer and gear. Sands and gravels enter the wash trough along with the feed trough where they, under the action of impeller, roll over and grind each other to remove impurities on the surface and to destroy the water vapor layer covering sands to facilitate dehydration. At the same time, add water to form a strong water flow to rinse away impurities and foreign matters. Clean sands and gravels are taken away by blades of the impeller and then poured into the discharge trough from the rotating impeller. This is the whole process of sand washing.



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