

# XL SPIRAL SAND WASHING MACHINE

## XL螺旋式洗砂机



### 设备简介

#### Introduction

XL洗砂机机器转子采用中心结构，螺旋叶片安装在中心轴上，由减速器连接到中心轴上进行工作。借助固体颗粒的比重不同，因而在液体中沉降的速度不同的原理，进行机械分级的一种设备。用于建筑工地、砂石厂、预制厂及水电工地。大量用于砂石的脱泥、筛选作业，也可用于矿石选择作业。

The XL sand washer machine rotor adopts a central structure, and the spiral blade is mounted on the central shaft, and is connected to the central shaft by the reducer for work. An apparatus for mechanical classification by virtue of the fact that the specific gravity of the solid particles is different and thus the rate of sedimentation in the liquid is different. Used in construction sites, sand and gravel plants, prefabricated plants and hydroelectric fields. A large amount of desilting and screening operations for sand and gravel can also be used for ore selection operations.

### 工作原理

#### Working Principle

工作时，电机通过三角带、减速机、齿轮减速后带动叶轮缓慢转动，砂石由给料槽进入洗槽中，在叶轮的带动下翻滚并互相研磨，除去覆盖砂石表面的杂质，同时破坏包覆砂粒的水汽层，以利于脱水；同时加水，形成强大水流，及时将杂质及比重小的异物带走，并从溢出口洗槽排出，完成清洗作用。干净的砂石由叶片带走，最后砂石从旋转的叶轮倒入出料槽，完成砂石的清洗作用。

During operation, the motor rotates slowly through the V-belt, reducer and gear, and the impeller rotates slowly. The sand enters the washing tank from the feeding trough, rolls under the impeller, and grinds each other to remove impurities covering the surface of the gravel. Destroy the water vapor layer of the coated sand to facilitate dehydration; at the same time add water to form a

strong water flow, take away the foreign matter with small impurities and small specific gravity in time, and discharge it from the overflow port to complete the cleaning. The clean sand is taken away by the blades, and finally the sand is poured from the rotating impeller into the discharge chute to complete the cleaning of the sand.

### 产品参数

#### Main Specification

| 型号 Type                           | XL915          | 2XL915        | XL1115         | 2XL1115         |
|-----------------------------------|----------------|---------------|----------------|-----------------|
| 螺旋体直径 (mm)<br>Spiral diameter     | 915            | 915           | 1115           | 1115            |
| 水槽长度 (mm)<br>Length of sink       | 7585           | 7585          | 9782           | 9782            |
| 给料尺寸 (mm)<br>Feed size            | ≤ 10           | ≤ 10          | ≤ 10           | ≤ 10            |
| 处理能力 (t/h)<br>Processing capacity | 100            | 200           | 175            | 350             |
| 转速 (r/min)<br>Speed               | 21             | 21            | 17             | 17              |
| 电机功率 (kw)<br>Motor power          | 11             | 2*11          | 15             | 2*15            |
| 耗水量 (t/h)<br>Water consumption    | 10-80          | 20-160        | 20-150         | 40-300          |
| 外形尺寸 (mm)<br>Shape size           | 8500*2810*3600 | 8420*3760*396 | 1078*3980*4170 | 10970*5250*4720 |
| 重量 (t)<br>Weight                  | 6.27           | 11.11         | 10.18          | 17.94           |

注：规格型号如有变动，恕不另行通知。  
Note: Specifications and models are subject to change without notice.