



南匠精铸 科创智造

Forging Excellence with Craftsmanship Technology and Intelligence Driving Innovation

智慧矿业全产业链定制化服务EPC+M+O一站式运营商
Full-Industry-Chain Customized EPC+M+O One-Stop Operator for Smart Mining



广西南科重工机械有限公司
GUANGXI NANKE HEAVY INDUSTRY MACHINERY CO., LTD.

槽式洗矿机

Trough Washer



产品简介 PRODUCT INTRODUCTION

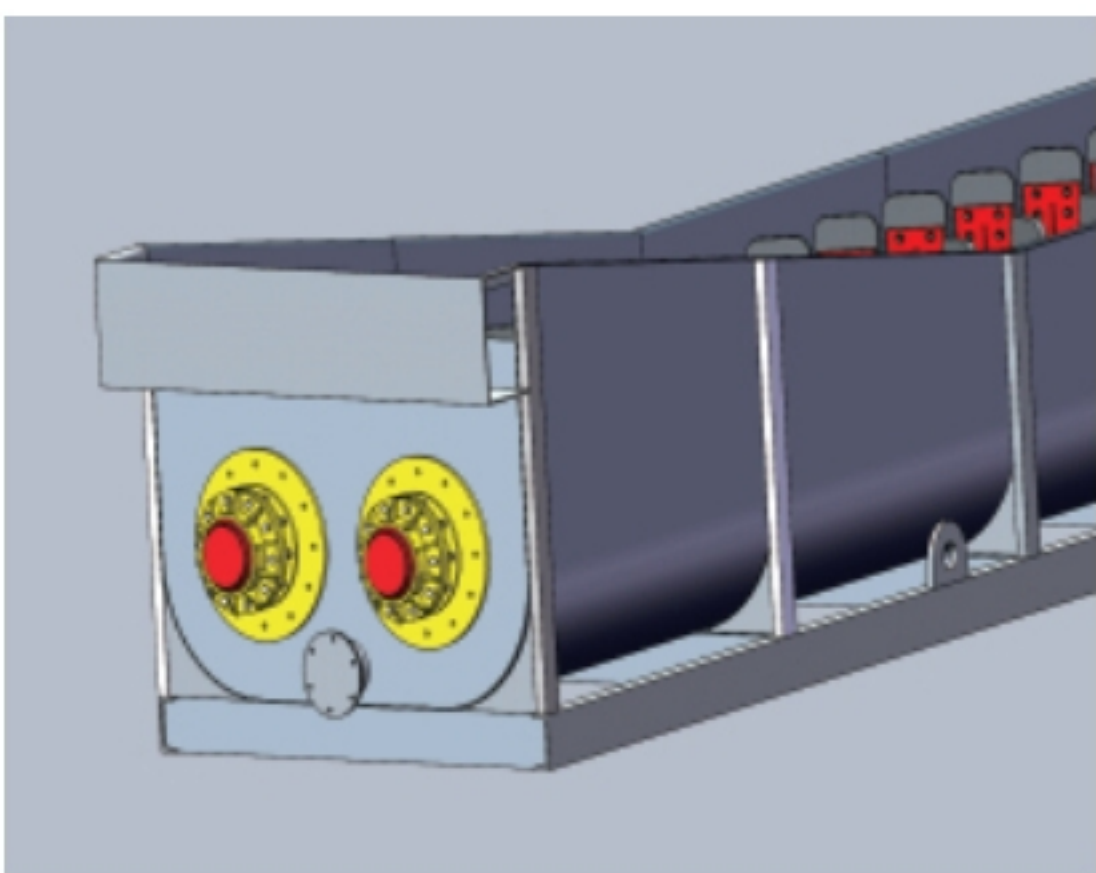
槽型洗矿机是用于洗矿，将矿石用水洗选，以除去原矿石中溶于水的泥沙等杂质，而使矿石达到工艺上和经济上的要求。本机适用于洗选75mm以下粒度的矿石。

The trough washer is used for mineral washing. It uses water to select the minerals, removing impurities such as sand dissolved in water from the original minerals, so that the minerals meet the requirements of technology and economy. This machine is suitable for washing minerals with a particle size of 75mm or less.

工作原理 WORKING PRINCIPLE

洗矿时，矿石和水均同时从尾部上方加入，槽体内约2/3的长度充满了矿浆。泥团和表面粘附着矿泥的矿粒，借助于叶桨的揉搓、擦洗以及由槽体上端给入适量高压水（水压为0.1～0.2千帕）冲洗，使矿泥得以碎散并与矿粒分离，达到洗矿目的。矿浆和粗粒物料反向运动，洗出的细泥从槽体下端的溢流槽排出，粗粒物料由叶桨向上推送到排矿口排出。

During the mineral washing process, both the minerals and water are added from the top of the tail end simultaneously. About two-thirds of the length of the trough is filled with mineral slurry. The mud clumps and the mineral particles with mineral mud adhered to the surface are washed by the rubbing and scrubbing of the impeller and the flushing with an appropriate amount of high-pressure water (with a water pressure of 0.1 to 0.2 kilopascals) injected from the upper end of the trough, allowing the mineral mud to disperse and separate from the mineral particles, achieving the purpose of mineral washing. The mineral slurry and coarse particles move in the opposite direction. The fine mud washed out is discharged from the overflow channel at the bottom of the trough, and the coarse particles are pushed upward by the impeller and discharged from the discharge port.



尾部轴承密封机构采用最新专利技术有效解决矿浆渗漏难题。
The tail bearing sealing mechanism adopts the latest patented technology, which effectively solves the problem of pulp leakage.

槽式洗矿机主要技术参数 Technical Parameters of Trough Washer

产品型号 Type	水槽尺寸长×宽 Trough SizeL. × W.(mm)	用水量 water consumption m³/t	主轴转速 Shaft Speed (r/min)	给料粒度 Feeding Size(mm)	生产能力 Capacity (t/h)	功率 Power(kw)
1675	1600×7500	2~3	15-25	≤75	50-100	37
1690	1600×9000	2~3	22.7	≤75	45~75	37
2086	2000×8600	2~3	20	≤100	75-120	2X22
2090	2000×9000	2~3	20	≤100	75-120	45
2290	2200×9000	2~3	20.81	≤100	60~110	75

注：技术参数如有变动，恕不另行通知。 Note: Any change of technical data shall not be advised additionally.



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