

高堰式分级机

High weir classifier



高堰式分级机是一款借助固体颗粒大小不同在矿浆中沉降速度不同而进行分级的选矿配套设备，广泛应用于金属矿破碎中，与球磨机搭配形成闭路循环分流矿石，亦或用在金属选矿流程中对矿浆进行粒度分级，适用于粗粒分级，具有运行平稳、分级粒度可调等优势。

The high weir classifier is a kind of mineral processing equipment that separate materials against different partical size and different stettling speed in the slurry, it is widely used in the crushing of metal ore, and it is combined with a ball mill to form a closed circuit to divert the ore, or used in metal beneficiation process for particle size classification of pulp, it is suitable for coarse-grained classification, and has the advantages of stable operation and adjustable classification granularity.

产品优势

>> Product Advantages

1、粒度可控

可通过调整堰高（矿浆液面的高度），进而调节分级粒径，有效杜绝后续产品中过大颗粒及筛余物。

2、高产低耗

变频控制技术，自动化程度高。同样处理量下，能耗较其它分级设备降低50%，同样能耗下，产量高50%。

3、维修率低

取消球磨机大勺头配置，降低检修率的同时减缓了对球磨机大、小齿轮的不均衡冲击。

4、优质部件

该机底座采用槽钢，机体采用高品质钢板焊接而成，耐磨耐用，且可根据不同特殊要求，配置专用的分级结构。

1. Controllable granularity

By adjusting the height of the weir (the height of the liquid level of the ore slurry), the particle size of the classification can be adjusted to effectively prevent excessively large particles and sieve residues in the product.

2. High output and low consumption

Frequency conversion control technology, high degree of automation. under the same processing capacity, the energy consumption is 50% lower than other classification equipment, and the output is 50% higher under the same energy consumption.

3. Low maintenance rate

Cancel the configuration of the big spoon head of the ball mill, reduce the maintenance rate and slow down the unbalanced impact on the large and small gears of the ball mill.



4. High quality parts

The base of the machine is made of high quality steel plate, and the body is welded with steel plates, which is wear-resistant and durable, and can be configured with a special hierarchical structure according to different special requirements.

产品参数

>> Product Parameters

高堰式单螺旋 High weir single helix

型号 Model	FLG-300	FLG-500	FLG-750	FLG-1000	FLG-1200	FLG-1500	FLG-2000	FLG-2400	FLG-3000
螺旋转速 Spiral speed (r/min)	7.7	8	7.8	6.7	5,6,7	2.5,4,6	3.6,5,5	3.6	3.2
按返砂处理能力 According to return sand processing power (t/d)	30~80	145~260	100~445	473~1026	1145~1600	1140~2730	3240~5940	6800	11625
按溢流处理能力 According to overflow processing power (t/d)	10~30	21~75	31~165	85	150	235	400	580	890
螺旋直径 Spiral diameter (mm)	Φ300	Φ500	Φ750	Φ1000	Φ1200	Φ1500	Φ2000	Φ2400	Φ3000
螺旋长度 Spiral length (mm)	3900	4390	5500	6556	6500	8265	8700	9130	12500
水槽坡度 Water groove slope	14~18								
传动电机型号 Transmission motor model	Y100L1-4	Y112M-6	Y132S-6	Y132M2-6	Y132M2-6	Y160M-6	Y160L-6/4	Y200L2-6	Y200L-4
传动电机功率 Transmission motor power (kw)	2.2	2.2	3	5.5	5.5	7.5	11,15	22	30
提升电机型号 Promote motor type number	手动 Manual operation				Y90L-4	Y100L1-4	Y100L2-4	Y112M-4	Y112M-4
提升电机功率 Promote motor power (kw)	-	-	-	-	1.5	2.2	3	4	4
重量 Weight (kg)	668	1600	2716	4000	7943	11827	20814	24194	42188

高堰式双螺旋 High weir double helix

型号 Model	2FLG-1200	2FLG-1500	2FLG-2000	2FLG-2400	2FLG-3000
螺旋转速 Spiral speed (r/min)	5,6,7	2.5,4,6	3.6,5,5	3.63	3.2
按返砂处理能力 According to return sand processing power (t/d)	2290~3200	2240~5360	6400~10800	13600	23300
按溢流处理能力 According to overflow processing power (t/d)	310	460	750	1160	1785
螺旋直径 Spiral diameter (mm)	Φ1200	Φ1500	Φ2000	Φ2400	Φ3000
螺旋长度 Spiral length (mm)	6500	8230	8400	9130	12500
水槽坡度 Water groove slope	14~18				
传动电机型号 Transmission motor model	Y132M2-6	Y160M-6	Y160L-4	Y200L2-6	Y200L-4
传动电机功率 Transmission motor power (kw)	5.5 × 2	7.5 × 2	15 × 2	22 × 2	30 × 2
提升电机型号 Promote motor type number	Y90L1-4	Y100L1-4	Y100L2-4	Y112M-4	Y112M-4
提升电机功率 Promote motor power (kw)	1.5 × 2	2.2 × 2	3.0 × 2	4 × 2	4.0 × 2
重量 Weight (kg)	15840	22903	34621	42460	73030

注：技术数据如有变更，恕不另行通知。 Any change of technical data shall not be advised additionally.