Gravity Separator Minerals Spiral 6r/M Screw Classifier

Basic Information

- Place of Origin: China
- Brand Name: Ascend
- Certification: CE/ISSO9001
- Model Number: FLG508 750 1200 1500 1750
- Minimum Order Quantity: 1 set
- Price: USD 3500-30000 Per set
- Packaging Details: Water and rust proof in wooden box or cotainer
- Delivery Time: 7-10 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 10 set per month

Product Specification

- Type: Sprial Separator,Gravity Separator,classifying
- Voltage: 220V/380V
- Condition: NEW
- Weight: Depend On The Model
- Dimension(l*w*h): Customer Request,7000*2000*3000 Mm
- Warranty: 1 Year
- After-sales Service Provided: Engineers Available To Service Machinery Overseas
- Application: Mining,Minerals
- Highlight: **Spiral Screw Classifier**, **6rpm mineral processing machinery**

More Images

Product Description

Spiral Screw Classifier Separator Machine

FLG spiral classifier is the most commonly used classifying equipment nowadays. It classifies the minerals by taking advantage of the different settling velocity of mineral particles with different size, shape, and density.
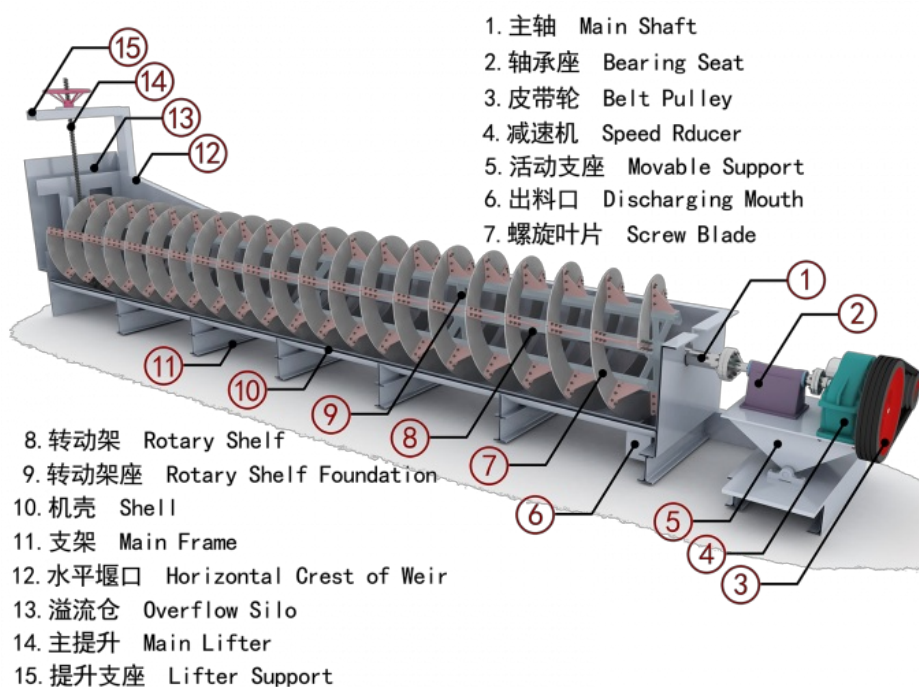
FLG spiral classifiers are widely used for separation plant. They can be combined with ball mill to form a closed circuit for preliminary classification and check classification, sometimes they can be applied for ore washing, de-sliming and de-watering as well.

There are high-wearable type single and double spiral classifier, and immersed type single and double spiral classifier, standard and extended type spiral classifier.

Working principle

The ground pulp is fed into tank from the inlet in the middle of settlement region, and the slurry classification sedimentation area is under the inclined tank. The spiral with low speed rotation stirs the slurry, so that the fine particles rise and overflow, while the coarse particles sink to the bottom of tank and are pushed upward by the spiral.

1. 主轴　Main Shaft
2. 轴承座　Bearing Seat
3. 皮带轮　Belt Pulley
4. 减速机　Speed Rducer
5. 活动支座　Movable Support
6. 出料口　Discharging Mouth
7. 螺旋叶片　Screw Blade

8. 转动架　Rotary Shelf
9. 转动架座　Rotary Shelf Foundation
10. 机壳　Shell
11. 支架　Main Frame
12. 水平堰口　Horizontal Crest of Weir
13. 溢流仓　Overflow Silo
14. 主提升　Main Lifter
15. 提升支座　Lifter Support

Advantages of Mineral Spiral Classifier Separator:

1. Low power cosumption;
2. Heavy duty, long workinglife;
3. Powerful self-contained spiral lifting device;
4. Continuous spiral raking;

5. High classifying efficiency;
6. Wide choice of weir height;
7. Rigid tank and substructure;
8. Wide choice of tank design;
9. Wide range of industries serviced.

The spiral classifier is widely used in the grinding circuit of beneficiation as the pre-classification and inspect classification machine, and also in the ore washing and desliming operation. It has advantage of simple structure, reliable running, easy operation and so on.

Specifications

Model	Screw diameter (mm)	Screw speed (r/min)	Slope (°)	Dimension (mm)	Weight (t)
Flg-508	508	8-12	14-18	5340*680*1274	2.8
Flg-750	750	6-10		6270*1240*1584	3.8
Flg-915	915	5-8		7561*1267*2250	4.5
Flg-1200	1200	5-7	17	7600*1560*2250	7.0
Flg-1500	1500	3.5-6		10200*1976*4080	9.5
Flg-2000	2000	3.5-5.5		10788*2524*4486	16.9
2flg-1200	1200	5-7	12	8230*3154*3110	15.84
2flg-1500	1500	3.5-6		10410*3392*4070	21.11
2flg-2000	2000	3.5-5.5		10788*4595*4486	36.4

Customer site

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