



Gravity Separation mercury gold 1100 1200 1400 1500 wet pan mill Machine

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Ascend
- Certification: CE/ISSO9001
- Model Number: 1200 1400 1500
- Minimum Order Quantity: 1 set
- Price: 4000-5000 USD Per Set
- Packaging Details: Water and rust proof in wooden box or cotainer
- Delivery Time: 10 working days
- Payment Terms: T/T, Western Union
- Supply Ability: 20 set per month



Product Specification

- Product Name: Ball Mill, Wet Pan Mill
- Application: Gold Mining
- Power: 5.5 To 55KW
- Usage: Gold Ore Grinding
- Voltage: 380V
- After Sales Service: Provided
- Spare Parts: Grinding Ring And Steel Balls
- Highlight: **Gold ore Ball Mill Machine, Gravity stone grinding mill, wet pan Ball Mill Machine**



Product Description

Ball mill VS wet pan mill in gold gravity separation

To get the real gold, there are three most popular methods: cyanidation, gold gravity separation and amalgamation. Each method features its advantages and disadvantages, and they are suitable for different miners with different capital ability and for local environment situation.

For those big CIL plants or individual miners with enough financial ability, ball mill is the most ideal equipment because of its large capacity, easy operation and fine output size which can be as fine as 200 to 325 mesh. Usually when the ball mill used, the ore slurry classifying equipment will be equipment: spiral classifier or hydrocyclone. The point is that if the ball mill is small model, spiral classifier is preferred as its cost is low. If the ball mill is big model, hydrocyclone is necessary. The small ball mill working with spiral classifier is as follows:



wet pan mill specification

Model	Specification	Input size (mm)	Capacity (t/h)	Powder (kw)	Weight (t)
1600	1600×350×200×460±20mm		1-2	30	13.5
1500	1500×300×150×420±20mm		0.8-1.5	22	11.3
1400	1400×260×150×350±20mm	<25mm	0.5-0.8	18.5	8.5
1200	1200×180×120×250±20mm		0.25-0.5	7.5	5.5
1100	1100×160×120×250±20mm		0.15-0.25	5.5	4.5
1000	1000×180×120×250±20mm		0.15-0.2	5.5	4.3

Besides ball mill, there is another ore dressing grinding mill machine, that is wet pan mill, also called Chilean mill. Wet pan mill is the most popular grinding mill for gold ore gravity separation and amalgamation in Africa and South America for its lower cost than ball mill and easy operation. The following is the flow chart drawing in which wet pan mill is used in gravity separation. The working procedure is crushing → grinding → Knelson centrifugal concentrator selection (to get the big size free gold) → shaking table (to select the fine gold from the ore tailing).

Actually in small gold gravity plant, ball mill can also be used to replace the wet pan mill. And it can achieve the same grinding effect with the wet pan mill, the following is the flow chart of ball mill in gold gravity plant.

In gold gravity separation plant, whether the miner uses ball mill or wet pan mill, he can only get the gold concentrate, after that he can adopt amalgamation or cyanidation to get the pure gold, which is another topic and we do not extend it in this article.

To conclude, in gold gravity separation plant, ball mill and wet pan mill are both acceptable. The difference is that ball mill is more suitable for big mining companies or individual miners with enough capital, and wet pan mill is the choice of small miners who want to get gold quickly with the lowest price.

For any technical questions about the gold gravity separation plant, please feel free to contact by WhatsApp: +86 18221130967.

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