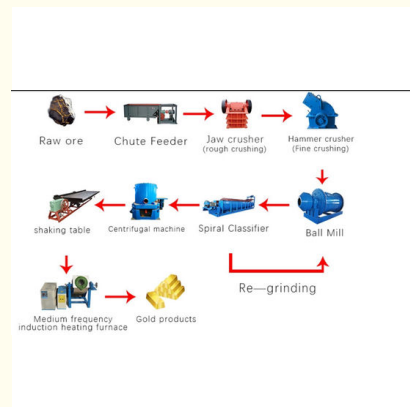




## Gravity Separation Plant Ball Mill Concentrator Ore Dressing Equipment

### Basic Information

- Place of Origin: China
- Brand Name: Ascend
- Certification: CE/ISSO9001
- Model Number: 900x1200, 1200x1500 1500x3000 1830x3000



### Product Specification

- Type: Gravity Separator, gold Ore Processing Equipment
- After-sales Service Provided: Engineers Available To Service Machinery Overseas
- Condition: New
- Production Capacity: 95%, 10-280t/H
- Voltage: 220V/380V
- Application: Gold Ore
- Highlight: Gravity Separation mineral processing equipment, Ball Mill mineral processing machine, Concentrator Ore Dressing Equipment



### More Images



## Product Description

### Gold ore ball mill concentrator gravity separation plant

Gravity separation method plays an important role in gold ore dressing plant. As per different gold ore type, there are different gravity separation method. With regard to the rein quartz ore, if there are much free gold particle size, gravity method is a good way to collect most of the gold particles. Here we introduce to you the most popular gravity gold collecting way.

#### Crushing

The big size stone is broken into small lumps by jack hammer, then they are fed into the jaw crusher or hammer crusher mill for primary and secondary crushing.



#### Grinding

The crushed stone size less than 20mm will be fed into the ball mill to be ground and mix with water.



#### Screening and Grading

The slurry will be fed into the spiral classifier, over size stone will be returned back to ball mill for regrinding, qualified sizes be transferred to the centrifugal concentrator.



#### **Separation**

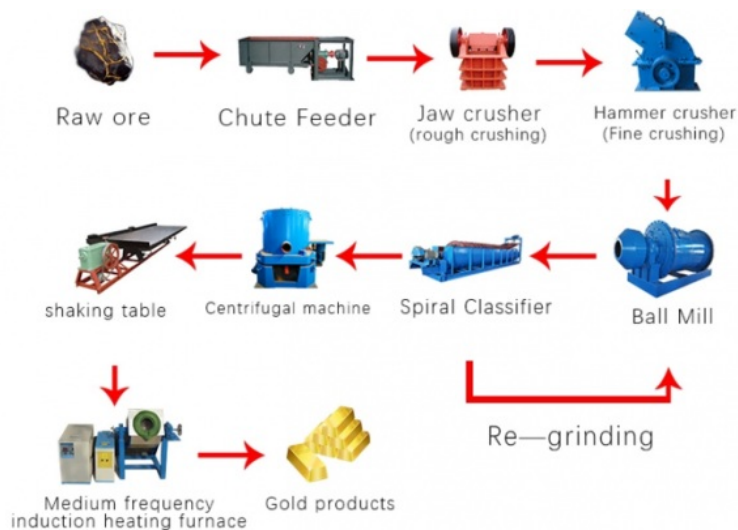
Gold centrifugal concentrator and shaking table are the main equipment to collect the gold concentrate.

**ASCEND**



#### **Mercury amalgamation processing.**

After collecting the gold concentrate, there are usually two ways, one is to handle the cyanide tank leaching; other way is to put the concentrate into the small mercury mixing barrel, or a small ball mill. Then the mixture of gold and mercury can be gotten. The gold mixture then can be put into the electric furnace for smelting and get the pure gold.



### Ball mill Specification

Model	Shell rotation speed(r/min)	Ball load	Feeding size	Discharging size	Capacity	Motor power	Weight
		(t)	(mm)	(mm)	(t/h)	(kw)	(t)
Ø 900*1800	36-38	1.5	< =20	0.075-0.89	0.65-2	18.5	4.6
Ø 900*3000	36	2.7	< =20	0.075-0.89	1.1-3.5	22	5.6
Ø 1200*2400	36	3	< =25	0.075-0.6	1.5-4.8	30	12
Ø 1200*3000	36	3.5	< =25	0.074-0.4	1.6-5	37	12.8
Ø 1200*4500	32.4	5	< =25	0.074-0.4	1.6-5.8	55	13.8
Ø 1500*3000	29.7	7.5	< =25	0.074-0.4	2.0-5.0	75	15.6
Ø 1500*4500	27	11	< =25	0.074-0.4	3.0-5.0	110	21
Ø 1500*5700	28	12	< =25	0.074-0.4	3.5-6	130	24.7
Ø 1830*3000	25.4	11	< =25	0.074-0.4	4.0-10.0	130	28
Ø 1830*4500	25.4	15	< =25	0.074-0.4	4.5-12	155	32
Ø 1830*6400	24.1	21	< =25	0.074-0.4	6.5-15	210	34
Ø 1830*7000	24.1	23	< =25	0.074-0.4	7.5-17	245	36
Ø 2100*3000	23.7	15	< =25	0.074-0.4	6.5-36	155	34
Ø 2100*4500	23.7	24	< =25	0.074-0.4	8-43	245	42
Ø 2100*7000	23.7	26	< =25	0.074-0.4	8-48	280	50
Ø 2200*4500	21.5	27	< =25	0.074-0.4	9-45	280	48.5
Ø 2200*6500	21.7	35	< =25	0.074-0.4	14-26	380	52.8
Ø 2200*7000	21.7	35	< =25	0.074-0.4	15-28	380	54
Ø 2200*7500	21.7	35	< =25	0.074-0.4	15-30	380	56
Ø 2400*3000	21	23	< =25	0.074-0.4	7-50	245	54

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