



Gold Ore Heavy Black Sand Centrifugal Gold Concentrator Separator

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Ascend
- Certification: ISSO9001
- Model Number: STL30 STL60 STL80 STL100
- Minimum Order Quantity: 1 set
- Price: USD 3000-5000 Per set
- Packaging Details: wooden box in container
- Delivery Time: 7 working days
- Payment Terms: T/T, Western Union, L/C
- Supply Ability: 20 set per month



Product Specification

- Name: Knelson Gold Centrifugal Concentrator
- Application: Gold Gravity Separation
- Voltage: 380v Or 220v
- Industry: Gold Mining
- Quality Guarantee: One Year
- Type: Gravity Separator, gold Ore Processing Equipment, gold Concentrator
- Condition: New
- Warranty: 1 Year
- Production Capacity: 98%
- Dimension(l*w*h): Diffrent Model
- Installation: Engineer Guide
- Highlight: Tantalum mineral processing machine, Tantalum centrifugal gold separator, 98% Centrifugal Gold Separator



More Images



Product Description

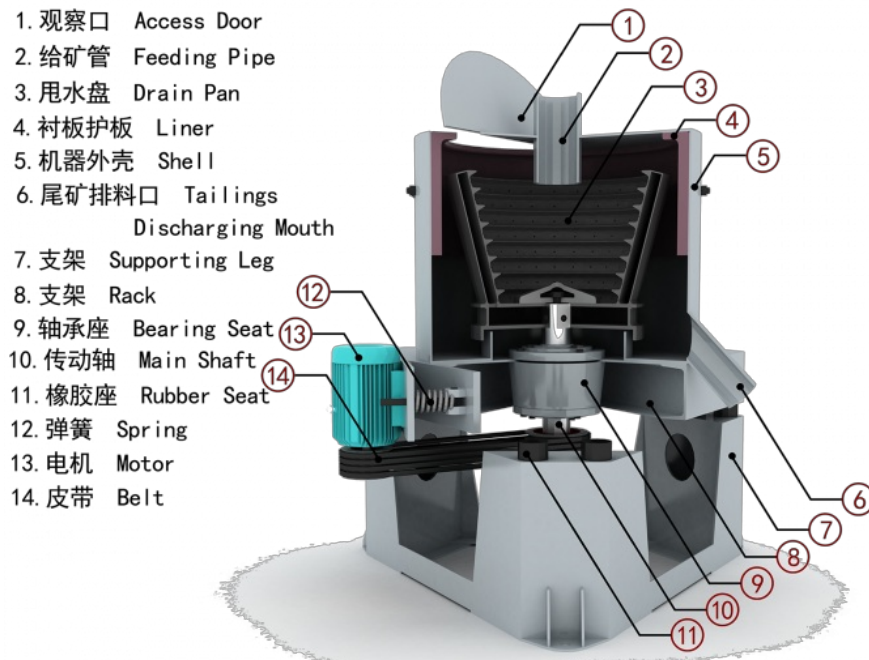
High efficiency gold knelson centrifugal concentrator

Gold centrifugal concentrator is kind centrifugal concentration equipment. It can be used not only for placer gold mining, but also for hard rock mining to recover the natural gold, replacing amalgamation. It is also used to recover gold from the old tailings. The STLB gold Centrifuge will separate any heavy material from any light material so long as there is sufficient difference in the densities of the individual particles in question. The Concentrator can treat particle sizes from below 10 microns up to a maximum of 6mm and is most commonly used for recovery in Gold and Platinum. Other recovery uses include Mercury, Palladium, Tantalum, Copper, Silver and Diamond Indicator Minerals.



Working principle

Knelson gold centrifugal concentrator is also called Nelson centrifuge, used to collect free gold in the rein gold ore or alluvial placer gold. It's an ideal gravity method equipment to replace amalgamating, mercury and cynide chemical. It use the eccentric gravity powder to collect the free gold inside the inner cone groove. The real application results show that the recovery can be as high as 80%, especially for the free gold in the alluvial gold in the placer gold ore. The recovery rate for the gold ore slurry of 0.074mm out of the ball mill can also reach more than 70%.



Product pictures

Features of gold centrifugal concentrator :

1. High concentrating ratio and high recovery
2. Total process automation, steady recovery performance
4. Environmentally friendly (no chemical additives or reagents)
5. Low water and electricity requirements
6. Low production costs, durable wear parts, minimal maintenances requirements
7. Compact design requiring less space, easy merged into the existing mining processing
8. Quick payback on investment, typically less than half year



Customer working site

The centrifugal usually works together with the gold grinding mills like ball mill, wet pan mill or chilean mill to be fed with gold ore slurry and select the free gold or big size gold, the remaining gold will be discharged and goes to the shaking table or gold sluice so that the tailing gold can be reselected.



Specifications

Model	Capacity (t/h)	Power (kw)	Feed size (mm)	Slurry density (%)	Backlash water quantity (kg/min)	Concentrates capacity (kg/time)	Cone rotation speed (r/min)	Pressure water required (Mpa)	Weight (t)
STL-30	3-5	3	0-4	0-50	6-8	10-20	600	0.05	0.5
STL-60	15-30	7.5	0-5	0-50	15-30	30-40	460	0.16	1.3
STL-80	40-60	11	0-6	0-50	25-35	60-70	400	0.18	1.8
STL-100	80-100	18.5	0-6	0-50	50-70	70-80	360	0.2	2.8

Package and delivery

We can offer various ways of package, dust-free wooden cases, steel plate cases, or as the clients' request. Most of the time, the equipment will be loaded to the containers in the factory. our workers make sure all equipment are steady and fixed before close the door of the container, there will be no damage during transporation and shipment. Following pictures are typical package, reinforcement in the container, and delivery from us.





Contact information

Name: Wilson Shi


Email: wilson_ascendme@163.com


Whatsapp & wechat: 0086 18221130967

Address: Shenglong Block, High tech zone, zhengzhou, China.

ASCEND Henan Ascend Machinery Equipment Co., Ltd.

 +86 18221130967

 wilson_ascendme@163.com

 mining-crushermachine.com

Shenglong block, high tech zone, Zhengzhou, China