



Gold Gravity Knelson Centrifugal Gold Centrifuge Separator Machine

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 Machine
- Voltage: 380v
- Industry: Gold Mining Ore
- Quality Guarantee: One Year
- Type: Gravity Separator, gold Ore Processing Equipment, gold Concentrator
- Other Name: Gold Centrifuge
- Production Capacity: 98%
- Dimension(l*w*h): Different Model
- Installation: Engineer Guide
- Highlight: **Gold Centrifuge Separator Machine, Knelson Centrifuge Separator Machine, Knelson gold gravity separator machine**



More Images



Product Description

High recovery rate gold knelson centrifugal concentrator

(Centrifugal Concentrator) is a new type of gravity concentration equipment for concentrating gold and other high density minerals. It gets many competitive advantages compared with other concentration machines which create high returns for the investors. 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.

Related product

Feeding: slurry pump or gravity flow by the height difference

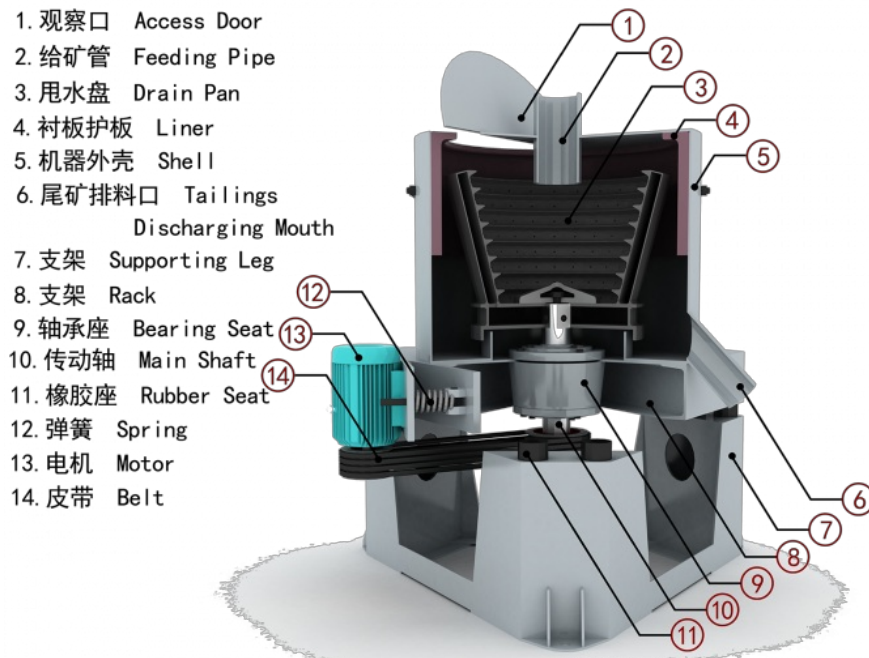
After gold centrifuge: tailing \Rightarrow sluice box; concentrate \Rightarrow shaker table or amalgamator

Gold Concentrator VS Jig Concentrator Centrifugal gold concentrator is easier debugging, and gold safer. It only can take out the gold concentrate after 4-6 hours of continuous work.



Working principle

- (1). Central transmission shaft is driven by motor through belt, and then make the inner concentrate cone rotate in high speed.
- (2). Fluidization water is introduced into the concentrate cone through central transmission shaft, and then spraying water to ring groove from inner cone holes, called backwash water. The water pressure level in separation process: 0.03-0.06Mpa.
- (3). Mineral materials enter into the inner cone groove by feeding pipe, under the high rotating configuration force, heavy ores will be deposited on the groove but the light ores will go upside along the cone liner, and finally going into tailing discharging pipe from cone upper surroundings. During the separation process, make sure the concentration discharging pipe is closed.
- (4). After a cycle process, close down the machine and open the concentration pipe to collect the gold concentration.



Product pictures

(1) Gold centrifugal concentrator has a high recovery and high concentrating ratio. (2) Center discharge design that enables fast and secure concentrate removal. (3) Eco-friendly (needs no reagents or chemical additives). (4) Low energy, low water consumption. (5) Durable wear parts with easy maintenance. (6) Fast returns on investment, usually less than 6 months. The gold centrifugal concentrator used in combination with the vibrating chute, gold shaker table, gold wash plant and other gold extraction equipment to increase the fine gold recovery rate.



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.





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