



Zambia Zimbabwe Sudan alluvial rock gold washing plant machine with 50 100 tons per hour capacity in mining quarry

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Ascend
- Certification: ISO9001
- Model Number: GST20 GST40 GST50
- Minimum Order Quantity: 1 set
- Price: USD 4200-29999 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

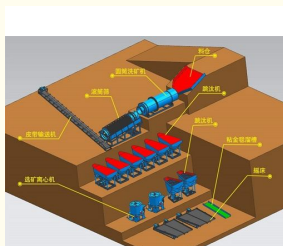


Product Specification

- Product Name: Gold Washing Plant
- Key Word: Placer Gold Trommel Screen Machine
- Capacity: 10 To 100 Ton Per Hour
- Applicable Industry: Energy&Mining
- Color: According To Customer Needs
- Highlight: quarry gold washing plant, alluvial rock gold washing plant, mining quarry gold washing plant



More Images



Gold trommel washing plant for alluvial sand gold mining with 50 100 150 tph capacity

China Ascend gold washing plant is mainly to recover the alluvial or placer gold particles in the black sand. The complete system consists of trommel screen, Knelson centrifugal concentrator, sluice chute, water pump and other component. The whole set is mobile type, easy to move and install inside the mining area. And it has different capacities to meet the different needs of customers.



Features of Drum Scrubber Washing Machine

Gold mining trommel screen includes hopper, water pump, water pipe, diesel engine/motor, wheels, can be easily moved, and is specially designed for processing alluvial gold, river placer gold, diamonds, etc.

Gold trommel screen is usually used in the primary separation stage of placer gold mining to wash and screen gold ore. The upper size is always regarded as useless material. The bottom size containing gold is usually processed continuously by centrifugal concentrator or gold tank to upgrade gold ore. The concentrate of centrifugal concentrator can be processed by shaking table, which is used to separate gold from other minerals.



Gold mining trommel screen description:

Gold trommel screen can be used for washing and screening of gold ore.

Gold trommel screen offers expanded processing capacity comparable to all competitor mobile gold washing plant rotary screen equipment.

The average processing capacity of gold rotary screen is 100-300 m³/h or 170-510 t/h, converted at 1.7 t material weight per m³.

Designing & Building Custom Gold Mining Trommel :

Bring your mining details and we can design and build a plant to target your minerals. If you want assistance with getting your plant setup on site and operational, we provide those services based on decades of our successful mining.

Help us understand your situation by knowing your mining area. Carefully review graves and environment, along with the historical information.

Product pictures**Advantages of gold trommel equipment:**

It is a highly economically viable option adequately suitable for small to large volume processing of materials.

The screen features various filters for different heavy duty drums that ensure complete separation of fine materials.

The design has an end user flexibility that allows for screen replacements depending on mesh sizes

Multiple layers of screen to enhance the sifting process.

It features changeable screen plates so that worn out parts can be replaced.

Trommel screen has high efficiency and a big capacity for different volumes of materials

The screen is uniquely designed to facilitate higher capacities, provide longer screen life and avoid material clogging.

Description of the placer gold washing plant.

The whole process of the gold washing plant is, use excavator to dig the raw material and feed into the hopper of the washing trommel, big stone larger than 20mm will be screened out from the grate bars of the hopper, small size less than 20mm will go into the trommel screen. (The mesh size can be adjusted as needed.) The clay or mud in the raw material will be washed away from the rotary trommel screen, and the gold particles will be feed into the swing vibrating sluice, the gold concentrate sediment in the bottom of the gold blanket. The tailing gold will be collected again from the fixed sluice box to further improve the recovery rate.

Specification

SPECIFICATIONS OF GOLD EXTRACTION EQUIPMENT FOR WASHING GOLD SEPARATOR MACHINE				
Model	GTS20	GTS50	MGT100	MGT200
Parameters				
Size /mm	6000x1600x2499	7000*2000*3000	8300*2400*4700	9800*3000*5175
Capacity	20-40	50-80 tph	100-150 tph	200-300 tph
Power	20	30 kw	50 kw	80 kw
Trommel Screen /mm	1000x2000	φ1200*3000	φ1500*3500	φ1800*4000
Sluice Box	2 set	2 sets	3 sets	4 sets
Water Supply /m³	80m³	120 m³	240 m³	370 m³
Recovery Rate	95%	98%	98%	98%

Gold centrifugal concentrator

Gold centrifugal concentrator is to use the gravity centrifugal force to collect the gold concentrate in the river sand or soil, it is suitable to collect the gold mesh size from 200 mesh to 40 mesh, the recovery rate for free gold particles can reach high to 90%, it is a perfect partner working with the gold trommel screen plant.



Gold sluice with blanket



Shaking table

After collect the gold concentrate from the centrifugal concentrator and gold sluice blanket, the most common way is then put it on the shaking table to further improve the gold grade.



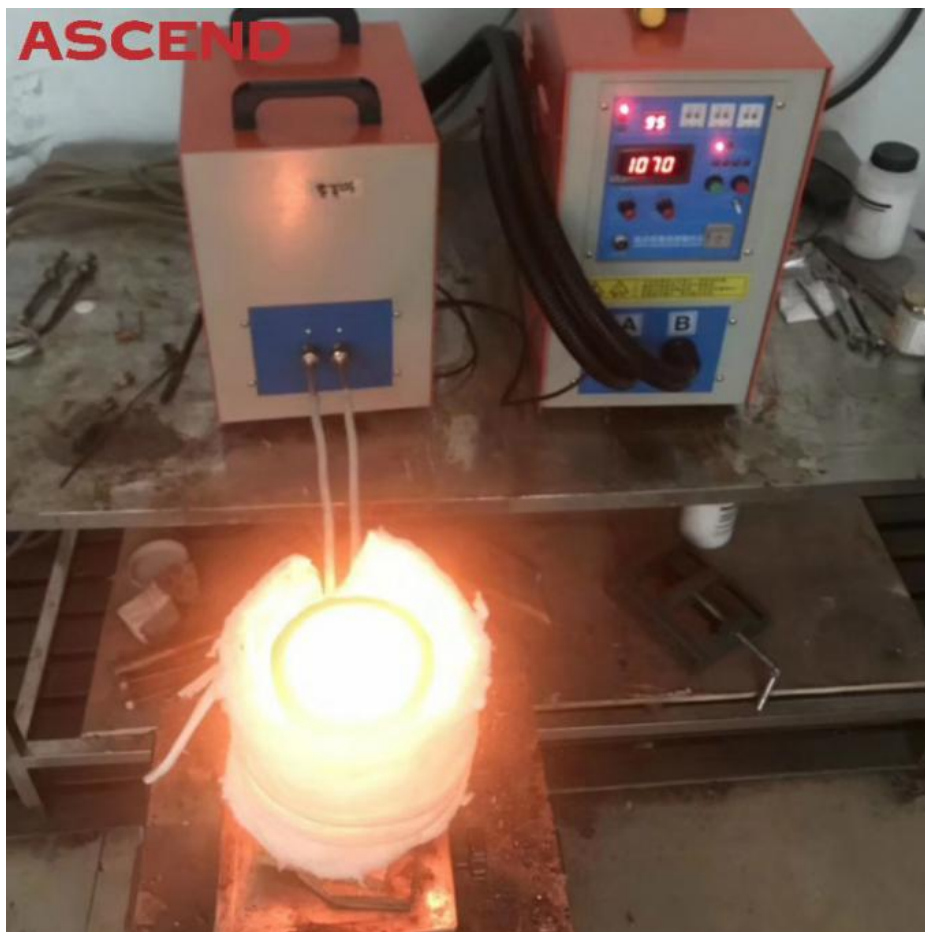
Mercury Amalgamation barrel or small ball mill

The gold ore concentrate collected from the shaking table will be put in the small ball mill, or we call mercury amalgamation barrel. Then it can mix with the mercury and form the gold and mercury mixture.



Electric gold melting furnace

After get the mixture of gold and mercury, you can put it in the **electric gold melting furnace** and heat it, then you can get the pure gold bar.



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