

50tph 100tph 200tph Gold Washing Plant Alluvial Placer Ore Dressing Equipment

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 3500-30000 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
- Highlight: 100tph Gold Washing Plant, 200tph Gold Washing Plant, 50tph Gold Washing Plant



More Images



Product Description

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

Gold trommel screen washing plant placer rotary equipment is a complete set of equipment, which can be mobile or fixed. It includes feeding hopper, trommel screen or vibrating screen, water pump and high-pressure water spray gun, gold centrifugal concentrator, gold chute and other accessories. It is mainly used for washing ore, selecting the partial or powdered gold in river sand or gravel.

Alluvial /River /Placer Gold Processing Line



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 suitable for applications ranging from small to large materials, and it is easy to use. It is an economical option.

Multiple filters with different heavyweight drums to separate the objects better.

This design allows the end user to switch displays depending on the size of the network.

Multilayer displays improve the display process.

There is a replaceable film plate that allows you to replace worn parts.

Trommel screen are efficient and have a large capacity to process different sizes of materials. I have a

The screen features a unique design that allows for high capacity, high-resolution performance, and high resolution. The longevity of the film It also prevents things from getting stuck.

Description of the placer gold washing plant.

After finishing installation of the whole plant. Usually use excavator or payloador to feed the river sand into the hopper, then the sand go to the trommel screen. When the rotary trommel screen is rotating, big size more than 8mm sand will be screened out, small sizes less than 8mm will go to the **gold centrifugal concentrator** or vibrating gold sluice (usually we recommend concentrator, as it can achieve high recovery rate for different gold particle sizes from 40 mesh to 200 mesh). Following the concentrator is gold sluice with gold blanket, which is used to recover the remaining gold in the concentrator.

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 suitable for collecting gold ore with mesh size from 200 to 40. It uses gravity centrifugal force to collect gold concentrate from river sand or soil. The recovery rate of free gold particles can be as high as 90%. It is the perfect partner for gold trommel screen plant.

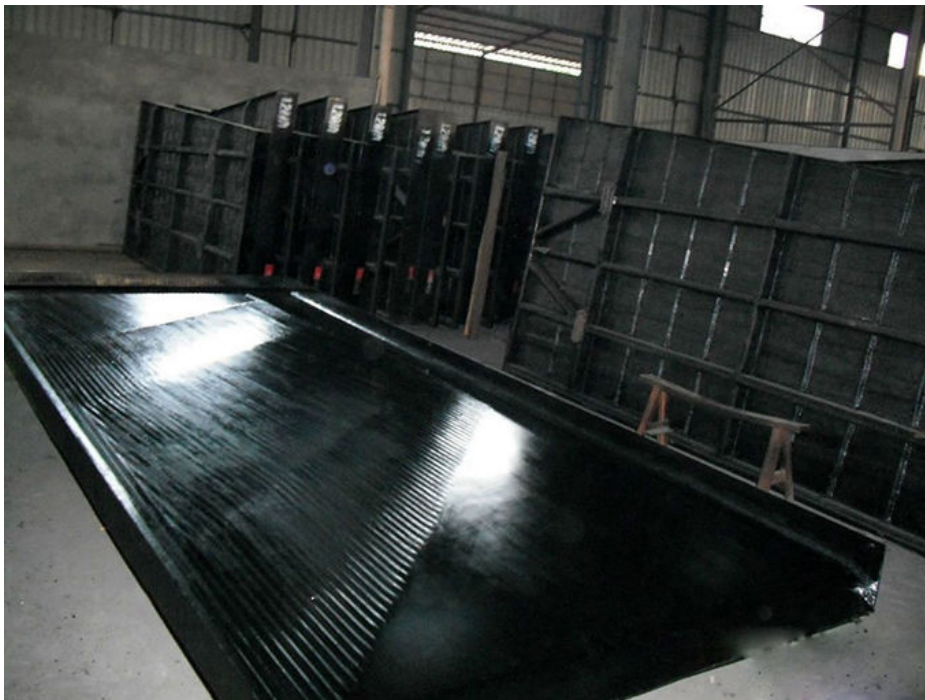


Gold sluice with blanket



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.



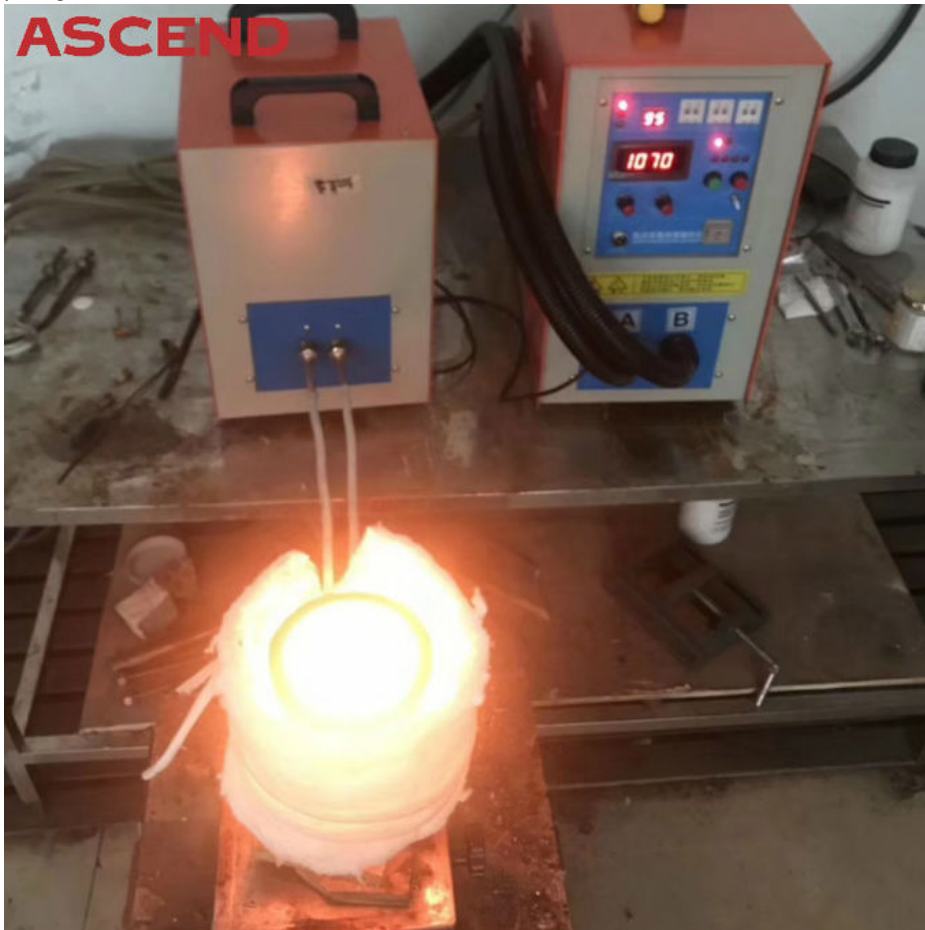
Mercury Amalgamation barrel or small ball mill.

The gold ore concentrate collected from the shaking table will be put in the small ball mill, or we call it **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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