



## Gold Washing Plant Mining Machinery For Alluvial Placer Ore With 100 200 Tons Per Hour Capacity

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
- Warranty Period: 1 Year
- Core Selling Point: Hot Product 2024
- Highlight: Mining Machinery Gold Washing Plant, Alluvial Placer Ore Gold Washing Plant



### More Images



## Product Description

### Gold trommel washing plant for alluvial gold river gold mining with 100-200 tph capacity

Gold washing plant is a set of mining machinery which can be moved or fixed. It includes feeding hopper, a trommel screen and a vibrating feeder. It mainly uses water pumps and high-pressure jet sand or river pebbles to selectively wash gold particles or gold powder.

### Alluvial /River /Placer Gold Processing Line



#### Features of Drum Scrubber Washing Machine

Gold trommel Screen is an easily movable machine designed for processing alluvial gold, river gold, diamonds, etc. It includes hopper, water pump, water pipe, diesel engine/motor, wheels.

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 considered 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 m<sup>3</sup>/h or 170-510 t/h, converted at 1.7 t material weight per m<sup>3</sup>.

#### Designing & Building Custom Gold Mining Trommel :

Give us the details of your mine and we can design and build a plant specifically for your mineral. If you need help setting up and operating a plant on site, we offer these services based on decades of successful mining experience. Get to know your mine and help us understand your situation. Carefully research the grades, surroundings and historical information.

#### Product pictures







#### Advantages of gold trommel equipment:

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

Multiple filters have different weight-rated rollers for better separation of objects.

Multiple layers of screen to enhance the sifting process.

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

The trommel screen is efficient and has a large capacity to handle different sizes of materials.

The screen has a unique design that allows high capacity, high resolution performance, and high resolution. The life of the screen also prevents things from getting stuck.

#### Description of the placer gold washing plant.

After the equipment is fully installed, river sand is usually feed into the hopper using an excavator or crane, and then the sand is transported to the trommel screen. As the trommel screen rotates, large sand particles larger than 8 mm are screened out, and small sand particles smaller than 8 mm are transferred to a centrifugal gold concentrator or a vibrating gold sluice (we usually recommend the concentrator because it can achieve high recovery rates of sand various gold particles from 40 mesh to 200 mesh). The concentrator is followed by a gold sluice with a gold blanket 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.

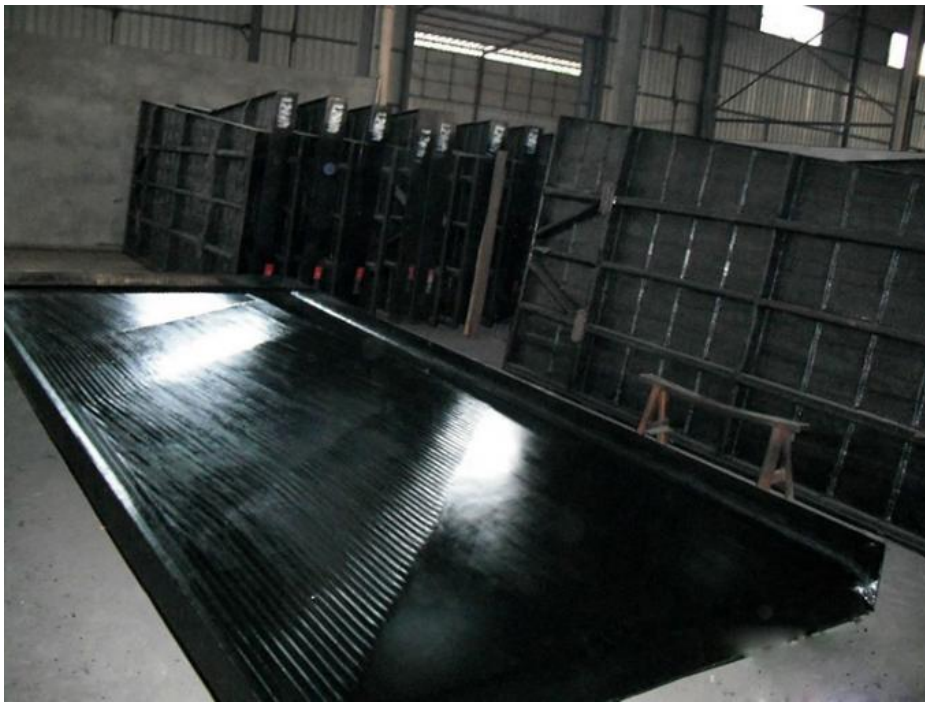


**Gold sluice with blanket**



**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.**

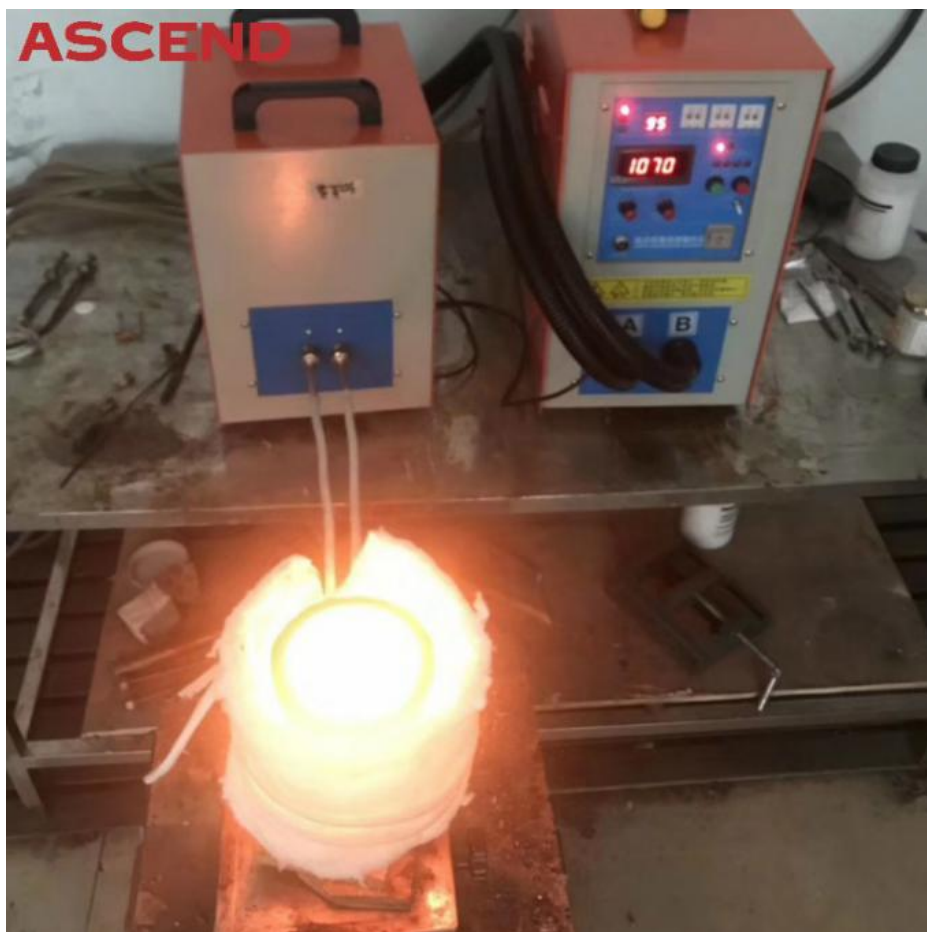
The gold ore concentrate collected from the shaking table will be put in the small ball mill, or we call it **mercury amalgamation barrel**. Then it can mix with the mercury and form the gold and mercury mixture.



**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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We also supply

### Crushing Equipment



Jaw Crusher



Cone Crusher



Impact Crusher



2-Roller Crusher



Compound Crusher



Hammer Crusher

### Grinding Equipment



Wet Pan Mill



Ball Mill



Raymond Mill

### Beneficiation Equipment



Flotation Machine



6-S Shaking Table



Jigging Machine

### Feeder & Conveyor



GZD Vibrating Feeder



Belt Conveyor



Screw Conveyor





Bucket Elevator



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