



## Gold Washing Plant Alluvial Placer Ore Dressing Equipment

Our Product Introduction

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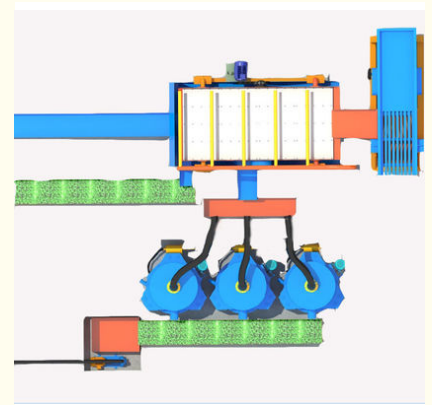
### Basic Information

- Place of Origin: China
- Brand Name: Ascend
- Certification: CE/ISSO9001
- 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
- Type: Gold Processing Plant
- Recovery Rate: 90-98%
- Capacity: 10 To 100 Ton Per Hour
- Motor: 10 To 75KW
- Warranty: 1 Year
- Weight: According To Different Model
- Color: Customers' Requirements
- Highlight: **Alluvial Placer Gold Washing Plant, Alluvial Placer gold wash plant, Alluvial Placer Ore Dressing Equipment**



### More Images



## Product Description

### 5 to 100 ton per hour river placer gold trommel washing plant

The placer gold trommel screen washing plant can be mobile type or fixed type, It is mainly used to washing, and select the particle or powder gold in the river sand or gravel. It is a complete set including the feeding hopper, trommel screen or vibrating screen, water pump and high pressure water spray gun, gold centrifugal concentrator, gold sluice and other accessories.

### Alluvial /River /Placer Gold Processing Line



### Features of Drum Scrubber Washing Machine

Gold mining trommel is designed for processing alluvial gold mine, river placer sand gold, diamond etc. includes hopper, water pump, water pipe, diesel engine / electric motor, wheel, can be easy movable,

The Gold WashTrommel is usually used at the primary separation period of placer gold mining so as to washing and screening the gold ore. The upper sizes out are always reckoned as useless materials. The bottom sizes which contain the gold are usually processed by centrifugal concentrator or gold sluice box continuously to upgrade the gold ore. The concentrates of centrifugal concentrator could be processed by shaking table which is used to separate the gold from other minerals.



**Gold mining trommel screen for sale description:**

The gold trommel screen can be used for gold washing and screening. The gold trommel screen offer an expanded processing capacity that rivals all competitor mobile gold wash plant trommel equipment. The gold trammel screen has an average of 100-300 m<sup>3</sup>/h OR 170-510 tons per hour based upon 1.7 tons of material weight per cubic meter conversion.

**Designing & Building Custom Gold Mining Trommel for sale:**

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:**

1. It is a highly economically viable option adequately suitable for small to large volume processing of materials.
2. The screen features various filters for different heavy duty drums that ensure complete separation of fine materials.
3. The design has a end user flexibility that allows for screen replacements depending on mesh sizes
4. Multiple layers of screen to enhance the sifting process.
5. It features changeable screen plates so that worn out parts can be replaced.
6. Trommel screen has high efficiency and a big capacity for different volumes of materials
7. The screen is uniquely designed to facilitate higher capacities, provide longer screen life and avoid material clogging.

**The trommel screen is equipped with water spray pipe inside drum, with feeding hopper, water pump, diesel generator,ect**

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

After finishing installation of the whole plant. Usually use excavator or payloader 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 /m <sup>3</sup>	80m <sup>3</sup>	120 m <sup>3</sup>	240 m <sup>3</sup>	370 m <sup>3</sup>
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.



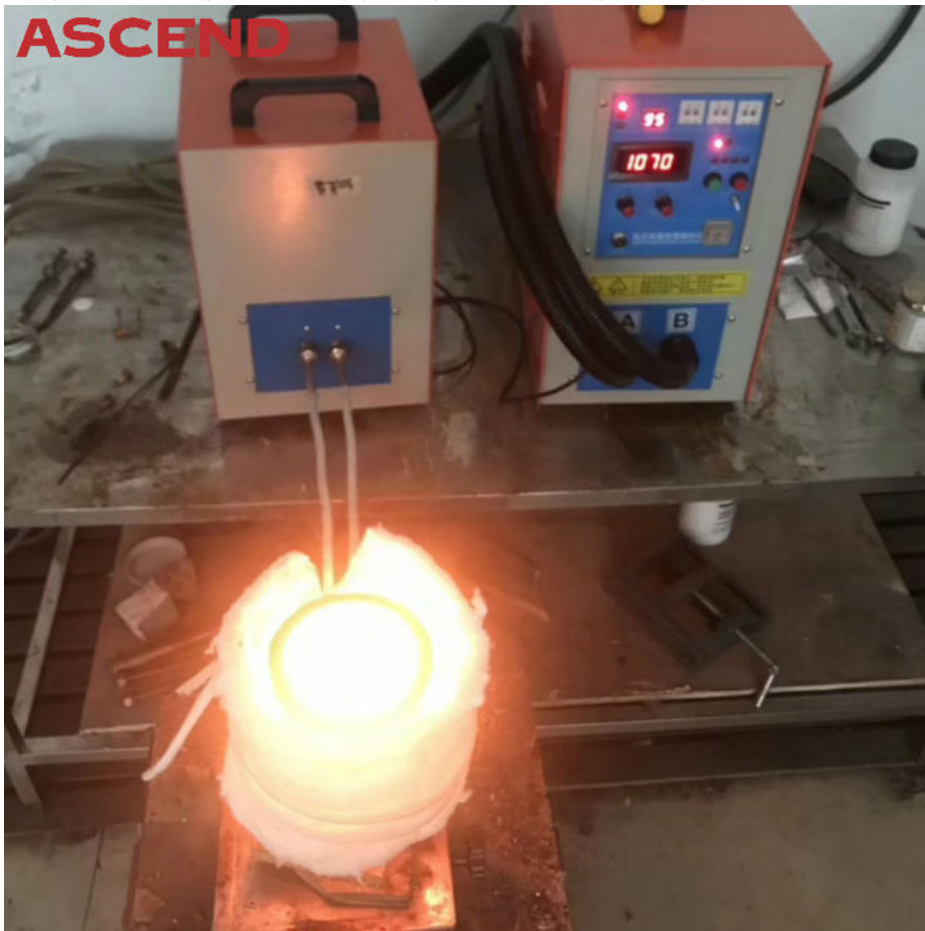
#### **Mercury Amalgamation barrel or small ball mill.**

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 [elctric gold melting furnace](#) and heat it, then you can get the pure gold bar.



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