



Placer Mining Ore Benefication 50tph Mining Machinery Gold Washing Plant

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: ASCEND
- Certification: CE/ISSO9001
- Model Number: GST50 GST100 GST150
- 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 Equipment
- Color: Customizable
- Key Word: Alluvial Gold Washing Plant
- Recovery Rate: From 90% To 98%
- Capacity: 20 To 100 Ton Per Hour
- Motor: 40KW
- Warranty: One Year
- Weight: 5-20 Ton
- Highlight: **50tph Gold Washing Plant, Placer Mining Gold Washing Plant, Ore Benefication Gold Washing Plant**



More Images



Product Description

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Product Description

The separation principle of alluvial gold is to use gravity separation to recover the most of gold and its associated heavy minerals from the raw ore first, and then use gravity separation, flotation, amalgamation, magnetic separation, electric separation and other combined actions to separate gold and heavy minerals from each other to achieve the purpose of comprehensive recovery.

Features of Drum Scrubber Washing Machine

- It has a good cleaning effect on sticky clay materials, and can screen out ores of different sizes.
- Different handling capacities from 5 t/h to 250 t/h are available upon request.
- Low operating cost, easy maintenance and low noise.
- The length and diameter of the gold sieve, the lining material of the inner cylinder, the mesh number of the screen, the number of layers of the screen, and the material of the screen can all be customized.
- Removable or fixed gold trommel.
- Diesel generators or electric motors are available for gold panning sieves.

Main Structure of Drum Scrubber Washing Machine

1. Gold Trommel Drum : For washing sticky clay from ore.
2. Inside drum lined plate: for breaking the clay and ores, wash more clean the material, can be rubber lined plate or iron steel plate welded inside drum.
3. Sieving Screen of Gold Trommel Washing Machine : for sieving different sizes ores, the screen mesh size & layer quantity & screen materials can be customized, screen material can be manganese steel or stainless steel. Mostly use manganese steel.
4. Motor: Electric Motor or diesel according to request.
5. Reducer: works together with motor and bearing for transmission drum rotating.
6. Gold Trommel Base Frame: Supporting the whole trommel scrubber.

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 payload 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 ³	80m ³	120 m ³	240 m ³	370 m ³
Recovery Rate	95%	98%	98%	98%

[Gold centrifugal concentrator](#)

Gold sluice with blanket

Shaking table

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


Package&Delivery


After-sales Service

Contact Us

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