



Placer Gold Ore Black Sand Vibratory Concentrator Trommel Gold Washing Plant

Our Product Introduction

for more products please visit us on mining-crushermachine.com

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 Equipment
- Color: Customized
- Key Word: Alluvial Gold Wash Plant
- Recovery Rate: 98%
- Capacity: 10 To 80 Ton Per Hour
- Motor: 10-70KW
- Warranty: One Year
- Weight: 6-20 Ton
- Highlight: Gold Washing Plant Vibratory Concentrator, Black Sand Vibratory Concentrator, Placer Gold Ore Vibratory Concentrator



More Images



Product Description

Placer Gold Ore Black Sand Vibratory Concentrator Trommel Gold Washing Plant

Product Description

Gold Mining Equipment Gold Trommel Wash Plant is mainly washing equipment in the mining industry, widely used for washing alluvial type/sand type ores and stones, that with much sticky clay, with much good washing effect for clay. Trommel scrubber washer machine with two parts: drum scrubber and screen. The drum scrubber is for washing ore, the screen is for sieving different size particles after washing.

Gold trommel is applicable to iron, manganese, limestone, tin ore with more mud content of ore cleaning sand, can be the mineral agitation, washing, separation, desliming. It is also suitable for stone cleaning of buildings, power stations, etc. The flushing water pressure is 147-196kpa. Trommel scrubber is the use of water buoyancy, dust and impurities in the sand separation. Through the agitation, to filter water to impurities, promote the purpose of transmission. And in the lifting process, also carried out mixing work. Sand is to achieve a uniform mixing, no fine, coarse sand points. The gold mining wash plant has the advantages of the long spiral body, good sealing system, simple structure, strong processing ability and convenient maintenance. Sand water content, mud content at the bottom and so on. Widely used in a variety of ore mining industry.

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 /m³	80m³	120 m³	240 m³	370 m³
Recovery Rate	95%	98%	98%	98%

Gold centrifugal concentrator

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.

Package&Delivery

After-sales Service

Contact Us

ASCEND Henan Ascend Machinery Equipment Co., Ltd.



+86 18221130967



wilson_ascendme@163.com



mining-crushermachine.com

Shenglong block, high tech zone, Zhengzhou, China