

# Mobile

# trommel



## Descriptions

*Material feeds into the drum, is lifted up by the rotation as it falls back down. This action is repeated with each revolution along the length of the drum. The finer material passes through the screen openings while the larger material tumbles towards its eventual exit at the rear of the drum.*

Mobile trommel washing plant is composed by hopper, trommel, chassis, tires, turntable, generator, water pump, gearing, control panel and gold recovery sluice. The mobile trommel screen is a optimized removable platform for gold recovery, applicable to small or medium scale of placer gold ore processing that need mobile operation. Its advantage: less investment, less labor, fast return of investment, simple operation , mobile etc.

The whole drum adopts strong and reinforced roller support and gear side drive, or chain pulley drive. The screen using high manganese steel woven net , It has large processing capacity, high efficiency , long service life , and easy to replace, no clogging. The chassis using heavy duty beam and equipped with six tires has sturdy construction, high load capacity, moreover the front wheel can achieve 180° turn , flexible move, let the mobile platform can easily cope with all kinds of complicated road. In addition, the chassis equipped with other four mechanical support legs, they can reinforce the bearing capacity of the whole chassis, ensure the equipment run more smoothly , reliable and safe during load running .

Generator & motor separated drive, or direct diesel engine drive, low failure rate, easy maintenance. The gold recovery sluice covered by professional gold recovery carpet made of polyethylene non-woven, strong catch ability, high efficiency, it is also effective for fine particle gold.

The drum can be divided into heavy duty and light duty.

**Heavy duty:** the drum has a double-layer structure, inner layer with dense steel bar structure, which can prevent large material impact the screen directly, greatly

improved the service life and screening efficiency for the outer screen.

## Features

- ◆ **Economical and efficient solution for screening**
- ◆ **Heavy duty trommel drum with lifters at the front to facilitate material break up**
- ◆ **Screen replaceable for different mesh sizes**
- ◆ **Multi layer screens**
- ◆ **Easily changed screen plates**
- ◆ **High efficiency and big capacity**
- ◆ **Unique screen design, high capacity, longer screen life and no material clogging**
- ◆ **Heavy duty feed hopper**
- ◆ **Discharge chute**
- ◆ **Gear drive mechanism**
- ◆ **Easy to moving.**

## Trommel screen Technical Specifications

Model	Capacity (t/h)	Power (kw)	Drum diameter (mm)	Drum length (mm)	Screen size (mm)	Dimension (mm)	Weight (kg)
MGT0713	5-7	3	700	1300	10	2600*1150*1700	1500
MGT1030	20-30	5.5	1000	3000	3-25	4800*1500*2165	3000
MGT1230	30-50	7.5	1200	2500		4176*1506*2232	4200
MGT1530	50-80	11	1500	3000		5535*1860*2525	5100
MGT1545	80-100	15	1500	4500		7021*1860*2528	6000
MGT1848	100-150	22	1800	4800		7400*2150*3000	7500
MGT2055	150-200	30	2000	5500		8500*2500*3600	8600

Each model can process mobile style and fixed style, also can customization you need diameter and length.and the screen size material can customization,such as perforated plate

or high manganese steel woven net.

## Processing details:



drum screen

Normally,inside is steel bar,out layer is high manganese steel woven net.



portable trommel screen

Inside layer Polyurethane screen, Out layer screen is high manganese steel woven net, durable trommel.

# Application:



**Portable gold trommel Wash plant**



Alluvial gold plant in Guinea



mobile trommel washing plant to Congo