

Vibrating Gold Sluice



WELL-TECH EQUIPMENT
威尔国际矿业装备

Descriptions

The vibrating gold sluice is composed by the mine tank, sluice box, rubber plate, push frame, lifting device, transmission and motor etc.

Most of gold exists as the micro fine gold in the nature. The fixed sluice box and gold rush grass are suitable for coarse gold, but not the micro fine gold. The fine gold is easy to floating on the water and discarded as tailings.

How to recycling the micro fine gold effectively? Vibrating sluice has motor power, vibrating frequency with 28-30 per minutes, small angle installation slope, water flow is lower, thus micro fine gold easily deposition. Grooved sluice box has new designed grid and riffles, causing lots of eddy currents increasing the gold separation time as well as polishing and washing the gravel and solids.

Features

- ◆ **High recovery ratio more than 90%**
- ◆ **Total process automation, steady recovery performance**
- ◆ **Easy maintain and easy operation**
- ◆ **Environmentally (requires no release mercury)**
- ◆ **Low water and electricity requirements**
- ◆ **Low production costs, durable wear parts, minimal maintenance requirements**

APPLICATION:

1. Reasonable structural design, convenient for transporting;

2. High degree of automation, Multi-machine joint working high gold handling capacity with the daily capacity up to 2000m³
3. Suitable for various areas, washing and separation are excellent in muddy areas of mines; It can also be suitable for processing minerals that may contain gravels and boulders;
4. Applicable to recycling bar gold, nuggets, slices and gold particles;
5. High degree of washing and recovery rate.



Gold mining sluice box

Gold sluice box Technical Specifications

Modle	GD-12	GD-15
Dimension (mm)	3200x1200x730	4000x1500x730

Capacity (m³/h)	20-25	30-35
Feeding size (mm)	<20	<20
Slurry density (%)	30	30
Water required (m³/h)	40-50	60-80
Motor power (KW)	Driving motor 1.1kw Lifting motor 0.8KW	Driving motor 2.2kw Lifting motor 0.8KW
Recovery (%)	85	85
Frequency (shift/min)	28-30	28-30
Slope angle for installation	6°-7°	6°-7°
Concentration Cleaning Up Cycle (h)	4	4
Weight (kg)	750	1100



Gold sluice box



placer gold mining equipment



gold mining process