

## GTEK Gold Concentrator



### ● Description

Gold concentrator is a widely utilized centrifugal gravity concentrator for gravity recovery in the mineral processing industry. Gold concentrator combines centrifugally enhanced gravitational forces with a bed fluidization process to provide unmatched performance in the recovery of precious metals.

### ● Application

Centrifugal gold concentrator was patented in China. It is an efficient equipment for recovery of free gold in all particle ranges, especially for recovery of fine gold which will be lost in the operation of traditional gravity concentrators. Centrifugal gold concentrator can be used not only for placer gold, but also for hard rock mining to recover the natural gold, replacing amalgamation. It is also used to recover gold from the old tailings, platinum, silver, mercury and native copper.

### ● Specification

Three models are available. Application shows that the recovery can be as high as 99%. For recovering the natural gold in lode ore with size under 0.074mm, the recovery for the natural gold is expected up to 98%. For those natural gold of 0.004mm in particle size, the recovery is 97%. The cleaning up cycle is 1~4 hours, and the upgrade ratio is up to 1,000 times.

| Model | Power (kW) | Capacity (t/hr) | Slurry water (L/min) | Jet water (L/min) | Concentrate (Kg/shift) |
|-------|------------|-----------------|----------------------|-------------------|------------------------|
| STL20 | 0.75       | 0.5-1.0         | 16                   | 30                | 1-2                    |
| STL30 | 2.2        | 2-3             | 120                  | 80                | 8-15                   |
| STL60 | 4.0        | 10-12           | 400                  | 250               | 20-30                  |