

# Centrifugal Gold Concentrator for Fine Particle Recovery

This centrifugal concentrator efficiently recovers fine ore particles using enhanced gravity separation. Its strong centrifugal force enables effective recovery of gold, tungsten, lead, manganese, and iron.



## ADDITIONAL IMAGES



## Product Overview

### High-Efficiency Centrifugal Concentration

This centrifugal concentrator, also known as a centrifugal chute, utilizes high-speed rotation to generate powerful centrifugal forces that significantly enhance gravity separation. It is engineered to effectively recover ultra-fine ore particles, achieving recovery rates of over 90% for particles in the 37-39 micron range. Designed for high automation and a compact footprint, this equipment optimizes processing capacity while drastically shortening separation times for various minerals including gold, tungsten, lead, manganese, and iron.

### Key Features

High Recovery Rate, Fine Particle Recovery, Automated Operation, Compact Footprint, Enhanced Gravity Separation

## Technical Specifications

### Model Specifications

Model	Capacity (T/H)	Motor Power (KW)	Rotation Speed (r/min)	Approx. Weight (Kg)
STLB20	1-2	0.75	800	160
STLB30	2-3	1.5	600	600
STLB60	10-20	4	480	1400
STLB80	30-40	11	400	2200
STLB100	50-80	18.5	360	3700

### Operational Parameters

- Feeding Density: 10-50%
- Feeding Size: 0-6mm (model dependent)
- Fluidization Water: 1-30 T/H (model dependent)
- Pressure Water: 0.05-0.3 Mpa

## Applications

### Suitable Minerals

Gold • Tungsten • Lead • Manganese • Iron