

Fine Sand Recovery System

This system efficiently recovers fine sand particles from slurry or wastewater. It is designed with a multi-stage separation process, including a hydrocyclone and dewatering screen, to maximize sand recovery while minimizing water content.



ADDITIONAL IMAGES



Overview

High-Efficiency Fine Sand Recovery

This fine sand recovery system is engineered to maximize material yield in mineral processing and aggregate production. By integrating advanced hydrocyclone and dewatering screen technology, the system effectively captures fine particles from slurry and wastewater streams. This process significantly reduces material loss, enhances final product quality, and supports environmental sustainability by minimizing waste.

Technical Features

Core Components

- High-performance slurry pump
- Wear-resistant hydrocyclone separator
- Vibrating dewatering screen
- Collection tank
- Modular support structure

Key Capabilities

Mud purification, Coal slime recovery, Fine particle material recovery, Adjustable vibration frequency, Modular configuration

Applications

Primary Applications

Mining • Aggregate processing • Environmental remediation • Glass material production • Ceramic material production