

Continuous Solid-Liquid Separation Centrifuge

This horizontal screw centrifuge is designed for continuous separation of solids from liquids. It utilizes a cylindrical-conical rotating bowl and a screw conveyor for discharging solids.



ADDITIONAL IMAGES



Overview

High-Efficiency Continuous Centrifuge

The 550 centrifuge is a high-capacity horizontal screw sedimentation system engineered for continuous solid-liquid separation. Featuring an advanced length-to-diameter ratio and intelligent electronic control systems, it automatically optimizes drum and differential speeds for peak performance. This unit is designed to handle demanding industrial applications, ensuring reliable operation and precise control over slurry processing.

Technical Specifications

Length to Diameter Ratio	3.3:1 or 4.2:1
Particle Size Range	0.005 to 15 mm
Concentration Range	2% to 80%

Control & Automation

Key Control Features

- Automatic feed pump load sensing
- Intelligent drum and differential speed optimization
- Touch panel operation interface
- Real-time monitoring of drum speed and motor load

Applications

Primary Applications	Shield Piling, River Dredging, Industrial Wastewater, Drilling Fluid Control, Marine Oil Recovery, Oil Residue Separation, Municipal Sewage, Mining Wastewater
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