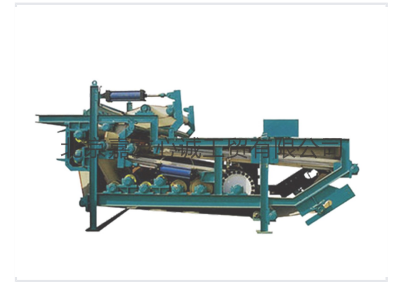
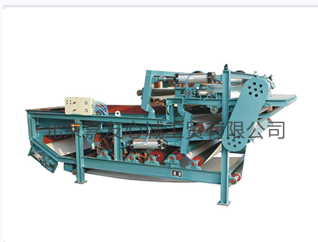


Continuous Sludge Dewatering Belt Filter Press

This continuous industrial machine performs solid-liquid separation, dewatering sludge from wastewater treatment plants. It uses rollers and tensioned belts to squeeze water from the sludge, resulting in a drier solid cake.



ADDITIONAL IMAGES



Overview

Continuous Sludge Dewatering Efficiency

This industrial-grade belt filter press is designed for continuous solid-liquid separation, offering high-capacity sludge dewatering with exceptional efficiency. Engineered for durability, it utilizes high-strength materials and advanced tensioned belt technology to produce a drier solid cake, significantly reducing sludge volume and disposal costs. The system features automatic controls and a robust design that ensures low noise, minimal chemical usage, and reliable performance across diverse industrial environments.

Key Advantages

Operational Advantages

- Fully automatic, continuous operation
- Low energy consumption
- High dewatering efficiency with high solid content output
- Easy management and maintenance
- Low noise emissions
- Reduced chemical requirement

Performance Highlights

1 Full

Automation Level

100 Continuous

Operational Mode

Applications

Suitable Industries

Wastewater Treatment, Starch Processing, Juice Processing, Metallurgical Industry, Paper Industry, Tanning, Chemical Industry, Food Processing

Technical Details

System Components

Component	Function
Feed System	Initial sludge input
Gravity Drainage Zone	Preliminary water removal
Wedge Zone	Intermediate compression
Pressure Zone	Final dewatering
Belt Washing System	Maintenance and cleaning

Design Features

Corrosion-resistant • Variable belt speed • Automatic belt tracking • Adjustable pressure