

PET Bottle Recycling Washing Line

This PET bottle washing line is designed for efficient cleaning and recycling. The automated system is engineered for high-volume throughput and consistent cleaning performance.



Overview

Industrial PET Recycling Solution

This modular PET bottle recycling and washing line is engineered for high-volume throughput and consistent cleaning performance. The system utilizes a comprehensive multi-stage process to remove contaminants, labels, and foreign materials, ensuring high-quality output suitable for further processing. Designed for large-scale facilities, it offers a complete, automated workflow from initial bale breaking to final drying and storage.

System Components

Processing Stages

- Bale breaker
- Belt conveyor
- Pre-washer
- Label remover
- Screw feeder
- Metal detector bridge
- Separation table
- Crusher
- Hot washer
- Poaching tank
- Friction washer
- Dewatering machine
- Blowing and drying system
- Cyclone silo

Technical Details

Material Handling Capabilities	PET Bottles, PP/PE Film, Contaminant Removal, Label Separation
Standard Flake Size	15 mm
Density Separation	Separation based on density threshold of 1g/cbm to distinguish PET from PP/PE