

# Automated Plastic Washing System for Recycling

This automated system efficiently cleans various plastic waste materials for recycling processes. It incorporates multiple stages, including washing, sorting, crushing, rinsing, and drying to remove contaminants.



## System Overview

### Comprehensive Recycling Solution

This automated plastic washing system provides a modular approach to waste management, covering the entire lifecycle from shredding to granulation. Engineered for high throughput and consistent output quality, the system effectively removes contaminants such as dirt, labels, and debris from various plastic streams. By incorporating advanced filtration and water recycling technologies, it minimizes operational costs and environmental impact, making it an essential asset for modern recycling facilities.

#### Supported Plastic Types

PET, PE, PP, EPS

## Process Modules

### Integrated Modules

- PET washing line
- PP film washing line
- PE granulating line
- EPS melting machine
- Single & twin shaft plastic shredders
- Hydraulic pressure packing machines

## Engineering Approach

### Customization & Engineering

Factor	Requirement Analysis
Contamination	Defining the amount of contamination in material
Usage	Defining final usage of the finished product
Capacity	Determining required output volume