

# PE/PP Film Recycling Pelletizing Line with Water Ring Cooling

This PE/PP film recycling and pelletizing line processes polyethylene (PE) and polypropylene (PP) film waste into reusable plastic pellets. It utilizes a water ring cooling system for efficient pellet solidification and consistent pellet size.



## Product Overview

### High-Efficiency PE/PP Recycling

This PE/PP film recycling and pelletizing line is engineered for the efficient processing of polyethylene (PE) and polypropylene (PP) film waste into high-quality, reusable plastic pellets. The system features an integrated water ring cooling mechanism that ensures consistent pellet solidification and uniform size distribution. Designed for continuous, high-throughput operation, the line minimizes material degradation while maintaining energy efficiency through advanced process monitoring.

## Technical Configuration

### System Components

Component Name	Quantity
Belt conveying machine	1
D130/30 single screw extruder	1
Compactor	1
Hydraulic screen changer system	1
Water-ring surface hot cutting system	1
Chute	1
Centrifugal dewatering	1
Vibration	1
Wind transmission system	1
Silo storage	1
Electric control cabinet	1

### Extruder Diameter

**130 mm**

Screw Diameter

## Key Features

### Core Capabilities

PE/PP Film Processing, Water Ring Cooling, Continuous Operation, High Throughput, Melt Filtration, Degassing