



## Automated PET Bottle Flakes Washing and Recycling Pelletizing Line

Our Product Introduction

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### Basic Information

- Place of Origin: Nanjing China
- Brand Name: HLD
- Certification: SGS/ISO9001/CE
- Model Number: SJS-70/80/90/100/110/120/150/180/200
- Minimum Order Quantity: 1/set
- Price: face to face /set
- Packaging Details: Bubble wrap/ Wrap film/ Wooden box
- Delivery Time: 35~45 Days
- Payment Terms: T/T,
- Supply Ability: 200~500 set/year



### Product Specification

- Product Name: PP/PE Film Recycling Pelletizer
- Raw Material: Post-Consumer PP/PE Films, Woven Bags
- Application Area: Packaging Film Reproduction
- Elletizing Type: Water Ring Hot Die Face Cutting
- Degassing System: Ingle Vacuum Degassing
- Extruder Type: Single Screw Extruder - L/D 32:1
- Output Capacity: 200 - 300 Kg/h
- Core Component: Compactor / Agglomerator System
- Automation Level: Semi-Automatic Control
- Certification: SO 9001 Certified
- Highlight: **PET bottle recycling pelletizing line, automated plastic flakes washing line, recycling pelletizer with washing system**

### Product Description

#### 1. Product Overview

The HLD [35/90 65/150 75/180 75/200 100/100 150/180 ] Plastic Recycling Pelletizer is a robust and highly efficient extrusion

line engineered for transforming post-consumer and post-industrial plastic scraps into premium, uniform pellets. Specifically optimized for rigid plastics like **HDPE, ABS, and HIPS**, this machine ensures maximum throughput with minimal energy consumption. Whether you are dealing with factory edge trims or washed flakes, our pelletizing line guarantees a stable closed-loop recycling solution that maximizes your ROI.

## 2. Core Technologies & Advantages

**Advanced Degassing System:** Equipped with a high-efficiency double vacuum degassing zone to thoroughly extract moisture, ink, and volatile gases, completely eliminating air bubbles in the final pellets.

**Heavy-Duty Bimetallic Screw & Barrel:** Manufactured with premium wear-resistant alloys, ensuring an extended service life even when processing abrasive materials or impurities.

**Continuous Filtration Technology:** Features a non-stop hydraulic screen changer (dual-station). It allows operators to replace filters without halting production, drastically reducing downtime.

**Intelligent Automation:** Powered by a smart PLC control system with a user-friendly HMI touchscreen. It offers precise PID temperature control, automated fault alarms, and real-time data logging.

**Optimized Pelletizing System:** Customizable cutting systems including vertical water ring hot-face cutting or traditional water-cooling strand cutting, ensuring perfectly shaped, dust-free pellets.

## 3. Standard Production Flow

**Our complete turnkey recycling line typically follows this high-efficiency process:**

**Belt Conveyor / Force Feeder → Extruder (Melting & Degassing) → Hydraulic Screen Changer (Filtration) → Pelletizing System (Cutting) → Centrifugal Dryer / Vibrating Sieve → Silo (Storage)**

## 4. Main Technical Parameters

Model	Screw Diameter (mm)	L/D Ratio	Main Motor (KW)	Degassing Type	Capacity (kg/h)
HLD-100	100	32:1 / 36:1	75 - 90	Single / Double	200 - 300
HLD-120	120	32:1 / 36:1	110 - 132	Single / Double	350 - 500
HLD-150	150	32:1 / 36:1	160 - 200	Double Vacuum	500 - 700
HLD-180	180	32:1 / 36:1	250 - 315	Double Vacuum	800 - 1200
Customized models	/	/	/	/	/

## 5. Target Applications & Final Pellets

The uniform, high-density plastic granules produced by this line are ideal for:

Injection molding for automotive parts and home appliance casings.

Extrusion for corrugated pipes, plastic sheets, and profiles.

Direct blending with virgin resins to lower raw material costs without sacrificing quality.

## 6. Why Choose Us?

With years of expertise in plastic extrusion machinery, we deliver more than just equipment. We provide comprehensive engineering solutions:

**Rigorous Quality Control:** Every machine undergoes full-load testing and rigorous inspection prior to shipment.

**Global Export Experience:** Familiar with international electrical standards (CE/UL) and documentation.

**Dedicated After-Sales:** Fast response times, accessible spare parts supply, and comprehensive installation guidance to keep your line running smoothly.

### Ready to upgrade your extrusion production?

For quick technical support or a customized quote, feel free to reach out directly:

Email: [catherine13016994160@gmail.com](mailto:catherine13016994160@gmail.com)

WhatsApp / WeChat: [+86 13016994160](https://wa.me/8613016994160)

*\* Tip: We typically respond within 12 hours with detailed machine configurations and pricing.*

 **Nanjing Henglande Machinery Technology Co., Ltd.**

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