



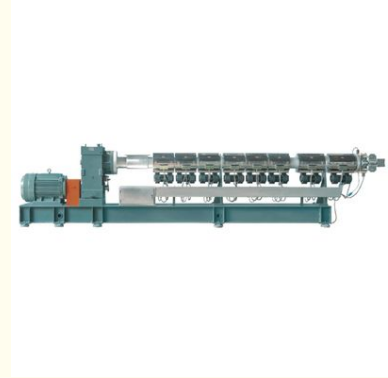
Heavy Duty Waste Plastic Recycling Granulator with Double Degassing

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: Heavy Duty Plastic Granulator
- Raw Material: Heavily Printed Or Moist Plastics - ABS, HIPS
- Application Area: Appliance Casings & Automotive Parts Recycling
- Elletizing Type: Strand Pelletizing System
- Degassing System: Advanced Double Vacuum Exhaust
- Extruder Type: High Torque Single Screw
- Output Capacity: 400 - 600 Kg/h
- Core Component: Wear-resistant Nitrided Steel 38CrMoAl Material
- Automation Level: Uily Automatic PLC Touch Screen
- Certification: CE Standard Compliant



More Images



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: catherine@hldextruder.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.**

 +86 15251884557  jayce@hldextruder.com  extrudergranulator.com

NO.11, Qinghu Road, Hushu Town, Jiangning District, Nanjing, China.