



Single Screw Extruder for Recycling HDPE, LDPE, PP, PS, and PVC: Transforming Waste into Reusable Pellets

Our Product Introduction

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Basic Information

- Place of Origin: Nanjing China
- Brand Name: HLD
- Certification: SGS/ISO9001/CE
- Model Number: Custome
- 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

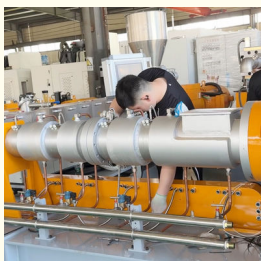


Product Specification

- Screw Design: Single Screw
- Screw Diameter: Customize
- L/D: 18:1-22:1
- Voltage: 380V/220V
- Warranty: 1 Year
- Heater: Customize
- Plastic Processed: HDPE, HDPE/PP, PA, PE/PP, Lldpe, Polystyrene, ABS/PP, EVOH, Wood-plastic, PPR, PP, FRPP/PVC, PVC, MLLDPE, LDPE, ABS, PET, EVA, PC, Polylactic Acid, EPS
- Color: Customize
- Applicable Industries: Hotels, Garment Shops, Building Material Shops, Manufacturing Plant, Machinery Repair Shops, Food & Beverage Factory, Farms, Restaurant, Home Use, Retail, Food Shop, Printing Shops, Construction Works , Energy & Mining, Food & Beverage Shops,



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Product Description

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Product Overview

The **Single Screw Extruder for Recycling HDPE, LDPE, PP, PS, and PVC: Transforming Waste into Reusable Pellets** is a high-efficiency and durable plastic recycling machine designed to process and regenerate common plastic materials such as HDPE, LDPE, PP, PS, and PVC. Using a single screw extrusion process, waste plastics are melted and extruded into uniform recycled plastic pellets. These pellets can be used to produce new plastic products, helping companies reduce production costs while minimizing environmental impact .

Product Features:

Wide Material Compatibility: Capable of processing various plastics like HDPE, LDPE, PP, PS, and PVC, offering flexibility in recycling different types of waste plastics.

High-Efficiency Single Screw Design: Equipped with a high-performance single screw structure, ensuring even mixing of materials and smooth extrusion.

Stable Heating System: Utilizes advanced heating technology to ensure thorough melting of plastics during extrusion, enhancing pellet quality.

Automated Control: Integrated intelligent control system for easy operation, high automation, and reduced labor costs.

Energy Efficient & Eco-friendly: Designed for energy savings, reducing power consumption while minimizing plastic waste and adhering to environmental standards.

Durable Construction: Built with high-quality materials and precision engineering for long-lasting performance and low maintenance costs.

Application Fields:

Plastic Recycling Industry: Used to recycle various plastic products such as waste bottles, packaging materials, films, and convert them into reusable pellets.

Plastic Product Manufacturing: Recycled pellets can be used to produce pipes, containers, films, sheets, and many other plastic products, reducing raw material costs.

Packaging Industry: Recycled pellets can be used to manufacture packaging materials like plastic bags, films, and packaging boxes.

Building Materials: Recycled plastics are used to produce PVC pipes, fences, boards, and other construction-related materials.

Home Appliances and Automotive Parts Manufacturing: Recycled plastic pellets are widely used in the production of appliance housings, interior automotive parts, and other industrial products.

After-Sales Service:

Installation & Commissioning: A professional technical team provides installation and commissioning services to ensure smooth operation of the equipment.

Operational Training: Comprehensive training is provided to help customers quickly master the equipment's operation, increasing production efficiency.

Warranty Service: A one-year warranty is provided. During the warranty period, any equipment failures will be repaired or parts replaced free of charge (excluding consumables).

Online Technical Support: 24/7 online technical support to assist customers with troubleshooting and resolving operational issues.

Spare Parts Supply: Long-term supply of spare parts ensures the normal operation of the equipment, minimizing downtime.

Regular Maintenance: Regular maintenance and servicing options are available to extend the equipment's lifespan and ensure stable production.

Emergency Response: Fast emergency repair services are available to minimize customer losses in case of unexpected equipment failures.

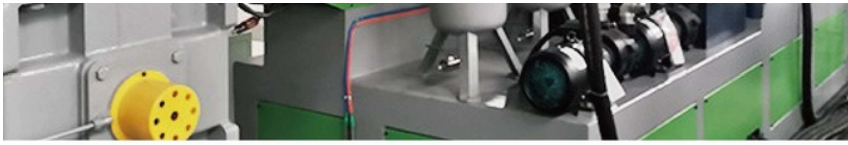
This machine offers efficient recycling and regeneration capabilities, helping businesses achieve green production, reduce dependence on new raw materials, and enhance the value of recycled plastics.

Model	L/D	Output
SJ-100	20~32	120~200kg/h
SJ-120	20~32	200~300kg/h
SJ-150	20~32	250~350kg/h
SJ-180	20~32	300~450kg/h
SJ-200	20~32	500~800kg/h

Product details







FAQ

1:How many years of experience do you have?

Over 15 years experience in extruder industry.

2:Are you traders or manufacturers?What is the area of the factory?

We are manufacturer,The factory is over 5000 square meters.

3:Screw and barrel accessories, who is produced?

Our factory manufactures it ourselves

4:Can I have a sample order for extruder?

Yes, we welcome sample order to test and check quality. Mixed samples are acceptable.

5:How to proceed an order for ?

Firstly ,let us know your requirements or application.

Secondly ,We quote according to your requirements or our suggestions.

Thirdly ,customer confirms the samples and places deposit for formal order.

Fourthly, We arrange the production.

Finally, arrange delivery

6: Provide technology and formula?

For orders over a certain amount, we will provide the technology and formula to help you complete the project.

7: Have a catalogue?

[HLD Album.pdf](#)

