



## High-Performance Twin-Screw Pelletizer For PET , PVC , PLA And Mixed Polymers With Precise Control

Our Product Introduction

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### Basic Information

- Place of Origin: Nanjing China
- Brand Name: HLD
- Certification: SGS/ISO9001/CE
- Model Number: H-TSE35/50/65/75/95B
- 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

- Name: Masterbatch Extruder
- Processing Type: Extruding Machine
- Color: Customised,
- Warranty: 1 Year
- Usage: Plastic Bottle Recycling, Plastic Compounding Granulation, Bags Plate Bottle
- Inverter: ABB, Delta Ls, Huayuan
- L/d: 28~60:1
- Capacity: 5~1200kg/h
- Highlight: **Precise Control Pelletizer, High Performance Pelletizer, Twin Screw Pelletizer**



### More Images



### Product Description

The **High-Performance Twin-Screw Pelletizer** is a top-tier granulation system designed for processing a variety of thermoplastic materials, including **PET (Polyethylene Terephthalate)**, **PVC (Polyvinyl Chloride)**, **PLA (Polylactic Acid)**,

**and mixed polymers.** This advanced pelletizing solution offers exceptional precision, high output, and outstanding material compatibility, making it ideal for manufacturers seeking consistent quality, efficiency, and flexibility in their production processes.

**Key Features:**

**Wide Material Compatibility:** This pelletizer is capable of processing a diverse range of materials, including **PET, PVC, PLA,** and mixed polymer blends. It is perfect for applications that require flexibility in handling different resins, whether virgin or recycled.

**Precise Control for Optimal Pellet Quality:** Equipped with an advanced control system, the twin-screw pelletizer allows for precise regulation of processing parameters such as temperature, pressure, screw speed, and torque. This ensures uniform, smooth, and consistent pellets, minimizing the variation between batches.

**High Throughput & Efficiency:** The twin-screw design provides high extrusion capacity, ensuring high productivity while maintaining energy efficiency. This enables manufacturers to maximize output while minimizing operating costs.

**Superior Pelletization:** The extruder is engineered to produce high-quality pellets with minimal fines, dust, or inconsistencies. The result is high-density, well-formed pellets that are ideal for subsequent processing steps like injection molding, extrusion, and compounding.

**Recycling-Friendly:** Ideal for processing recycled **PET, PVC,** and mixed polymers, this pelletizer is designed to help manufacturers meet sustainability goals by converting waste plastics into high-quality reusable pellets. Its compatibility with bioplastics such as PLA further supports the growing trend toward eco-friendly materials.

**Energy-Efficient Design:** With its optimized screw configuration and efficient motor system, this pelletizer reduces energy consumption while maintaining superior performance. This helps manufacturers lower production costs and improve overall energy efficiency.

**Durable Construction:** Built to withstand continuous high-performance operations, the pelletizer features durable components and robust construction, ensuring long service life, reduced maintenance needs, and reliable performance under demanding production conditions.

**User-Friendly Operation:** The pelletizer is equipped with an intuitive control panel that allows operators to easily adjust settings and monitor the extrusion process. This simplifies operation and reduces the likelihood of human error, ensuring smooth, trouble-free production.

**Applications:**

**Plastic Recycling:** Perfect for processing post-consumer **PET, PVC,** and mixed polymer waste, transforming it into reusable pellets for new product manufacturing.

**Packaging Industry:** Ideal for producing pellets for packaging applications made from **PET** or **PLA,** including bottles, containers, and films.

**Bioplastics Manufacturing:** Well-suited for producing high-quality pellets from **PLA** and other biodegradable polymers used in eco-friendly packaging and products.

**Automotive & Consumer Goods:** Can be used to process **PVC** and other polymers for manufacturing automotive parts, pipes, fittings, and various consumer products.

**Conclusion:**

The **High-Performance Twin-Screw Pelletizer** is the ideal solution for manufacturers looking to process a wide range of thermoplastics, including **PET, PVC, PLA,** and mixed polymers. Its ability to deliver precise control over processing parameters ensures consistent, high-quality pellets, making it the perfect choice for applications that demand superior performance, flexibility, and material efficiency. Whether you're producing recycled plastics, bioplastics, or traditional thermoplastics, this pelletizer offers the reliability, energy efficiency, and output needed to keep your production line running smoothly.

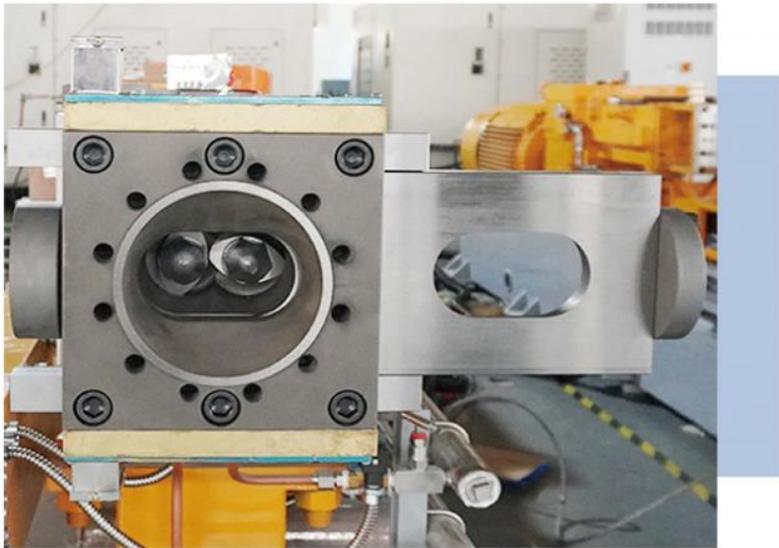
Model	L/D	Output
H-20B	28~60 :1	5~20kg/h
H-36B/40B	28~60 :1	60~150kg/h
H-50B/52B	28~60 :1	150~250kg/h
H-65B	28~60 :1	300~500kg/h
H-75B	28~60 :1	500~750kg/h
H-95B	28~60 :1	800~1500kg/h

**Applications**

Filling modification	PE, PP, EVA, ABS, PC, PS, etc+calcium carbonate, talc, glass beads,
	SiO2, aluminum hydroxide. Magnesium hydroxide, brocade oxide, sulfuric acid
	PP, PA, ABS, etc. + iron powder, magnetic powder, aluminum powder, stainless steel wire, ceramic powder
Blending modification(rubber and plastic compounding, plastic alloy)	PE, PP, PS+SBS, PP, PA+EPDM, POE, PP+NBR, EVA + silicone rubber, etc.
	PA, PC+ABS: ABS+TPU: PBT+PET: PP+PE, etc.
Masterbatch	PE, PP, ABS, EVA, PS, PBT, PET, etc. + pigments and other additives
	Biodegradable masterbatch: PE, PS, PP + starch, etc.
	Flame retardant masterbatch: PE, PP, PA, ABS, PBT, etc. + flame retardants and other additives
Functional masterbatch	Polyethylene master batch,anti-fog and anti-aging, high thermal insulation masterbatch, cooling masterbatch, rheology modified masterbatch
	anti-rust masterbatch, stiffening masterbatch, antistatic masterbatch, antibacterial masterbatch
	Carbon black masterbatch: PE, EVA, ABS, PET, etc. + carbon black
Glass fibre (Carbon fibre)Reinforcement (MD model short fibre)	PP, PBT, ABS, AS, PA, PC, POM, PET, PEEK, PPO, PES, etc. + long glass fiber or short glass fiber
	PP, PBT, ABS, AS, PA6, PA66, PC, POM, PET, etc. + long carbon fiber or short carbon fiber
Thermoplastic elastomer	TPR, TPU, TPV, SBS, SEBS, SIS, etc
	EVA, PU hot melt adhesive, silicone adhesive, UHMWPE spinning
	Fluororubber, fluoroplastics, LCP, PEEK, PES, PL, PSU, etc.
Special material	Optical cable covering material, acetate fiber, PP cigarette filter material, conductive plastic
	TPR, PU, EVA foam sole material
	Luminous plastics, antibacterial plastics, anti-UV plastics, PE cross-linkable pipe materials food, pet feed HDPE, LDPE, LLDPE, MDPE, PP, EVA Insulation material, sheath material, PF Radiation cross-linked cable material, PE Silane cross-linked cable material

Various cable materials	Flame retardant polyolefin cable materials, low smoke halogen-free flame retardant cable materials
	Low smoke and low halogen flame retardant PVC cable material
Reactive extrusion	Polyamide polycondensation reaction, polyester melt polymerization reaction, polyurethane polycondensation reaction, polycarbonate polycondensation reaction, polyoxymethylene bulk continuous polymerization reaction, PMMA polymerization
Devolatilization	Chlorinated polypropylene, chlorosulfonated polyethylene, fluorine rubber, butadiene rubber, SBS, EPDM, SEBS, SIS, etc.
Powder coating	Polyester type, epoxy type, acrylic vinegar type, polyurethane type, acrylic vinegar, phenol resin, etc.

# 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](#)

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