



Energy-Efficient Twin Screw Pelletizing Machine for Recycled Plastics & Biodegradable Compounds

Our Product Introduction

for more products please visit us on extrudergranulator.com

Basic Information

- Place of Origin: Nanjing China
- Brand Name: HLD
- Certification: SGS/ISO9001/CE
- Model Number: H-TSE65B/H-TSE75B/H-TSE65B/H-TSE95B
- Minimum Order Quantity: 1/set
- Price: face to face /set
- Packaging Details: Bubble wrap/ Wrap film/ Wooden box
- Delivery Time: 30~45 Days
- Payment Terms: T/T,
- Supply Ability: 200~500 set/year



Product Specification

- Name: Twin-screw Extruder For Bio
- Raw Material Compatibility: Specially Designed For Recycled Plastics (LDPE, HDPE, PP) And Biodegradable Compounds (PLA, PBAT, PHA)
- Pelletizing System: Water-ring Pelletizing Tailored To Biodegradable Materials
- Application: Plastic, Rubber, Food, Chemical, Pharmaceutical
- Processing Capacity: 150~1000 Kg/h (depends On Material Type And Screw Diameter)
- Electric Parts: LG, FUJI, Omron Etc
- Motor & Drive System: High-torque Motor (Siemens/ABB Optional) With Energy-saving Gear Reducer And Safety Interlock
- Temperature Control: Multi-zone PID Control For Precise And Stable Extrusion, Crucial For Biodegradable Compounds
- Highlight: **Recycled Plastics Twin Screw Pelletizing**



More Images



Product Description

This energy-efficient twin screw pelletizing machine is designed for processing recycled plastics and biodegradable compounds like PLA and PBAT. It features a high-torque motor, modular screw elements, and a dual degassing system to

ensure stable output and low energy consumption. Ideal for sustainable and eco-friendly production, it supports both strand and water-ring pelletizing methods, delivering uniform, high-quality pellets with excellent dispersion.

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

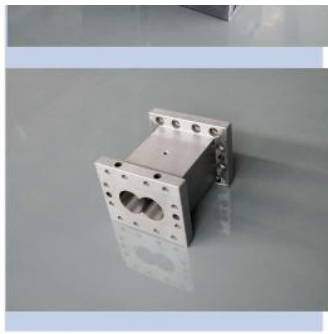
Applications

Filling modification	PE, PP, EVA, ABS, PC, PS, etc.+calcium carbonate, talc, glass beads,
	SiO ₂ , aluminum hydroxide. Magnesium hydroxide, brocade oxide, sulfuric acid
Blending modification (rubber and plastic compoundin g, plastic alloy	PP, PA, ABS, etc. + iron powder, magnetic powder, aluminum powder, stainless steel wire, ceramic powder
	PE, PP, PS+SBS, PP, PA+EPDM, POE, PP+NBR, EVA + silicone rubber, etc.
Masterbatch	PA, PC+ABS: ABS+TPU: PBT+PET: PP+PE, etc.
	PE, PP, ABS, EVA, PS, PBT, PET, etc. + pigments and other additives
Functional masterbatch	Biodegradable masterbatch: PE, PS, PP + starch, etc.
	Flame retardant masterbatch: PE, PP, PA, ABS, PBT, etc. + flame retardants and other additives
Glass fibre (Carbon fibre)Reinfor cement (MD model short fibre)	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
Thermoplast ic elastomer	Carbon black masterbatch: PE, EVA, ABS, PET, etc. + carbon black
	PP, PBT, ABS, AS, PA, PC, POM, PET, PEEK, PPO, PES, etc. + long glass fiber or short glass fiber
Special material	PP, PBT, ABS, AS, PA6, PA66, PC, POM, PET, etc. + long carbon fiber or short carbon fiber
	TPR, TPU, TPV, SBS, SEBS, SIS, etc
Various cable materials	EVA, PU hot melt adhesive, silicone adhesive, UHMWPE spinning
	Fluororubber, fluoroplastics, LCP, PEEK, PES, PL, PSU, etc.
Reactive extrusion	Optical cable covering material, acetate fiber, PP cigarette filter material, conductive plastic
	TPR, PU, EVA foam sole material
Devolatilizati on	Luminous plastics, antibacterial plastics, anti-UV plastics, PE cross-linkable pipe materials
	food, pet feed
Powder coating	HDPE, LDPE, LLDPE, MDPE, PP, EVA Insulation material, sheath material, PF Radiation cross-linked cable material, PE Silane cross-linked cable material
	Flame retardant polyolefin cable materials, low smoke halogen-free flame retardant cable materials
Low smoke and low halogen flame retardant PVC cable material	Polyamide polycondensation reaction, polyester melt polymerization reaction, polyurethane polycondensation reaction, polycarbonate polycondensation reaction, polyoxymethylene bulk continuous polymerization reaction, PMMA polymerization
	Chlorinated polypropylene, chlorosulfonated polyethylene, fluorine rubber, butadiene rubber, SBS, EPDM, SEBS, SIS, etc.
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](#)



Nanjing Henglande Machinery Technology Co., Ltd.



+86 15251884557



jayce@hldextruder.com



extrudergranulator.com

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