



Educational Twin-Screw Extruder for PA6 GF Reinforced Nylon Engineering Plastic Research

Our Product Introduction

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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

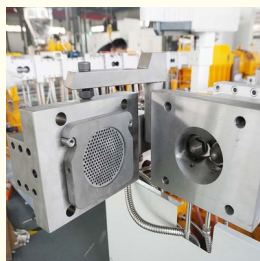


Product Specification

- Name: Twin-screw Extruder
- Heater: Copper Or Aluminum Heater/Heating Rods
- Main Features: High Torque/High Output/High Efficiency
- Application: Plastic, Rubber, Food, Chemical, Pharmaceutical
- Oem: Support
- Electric Parts: LG, FUJI, Omron Etc
- Special Request: Can Be Customized



More Images



Product Description

Our Twin-Screw Extruder is specially designed for research and development applications in the field of engineering plastics. Built to handle PA6 (Nylon 6) reinforced with glass fibers (GF), this extruder enables precise control over the extrusion

process, making it an ideal tool for studying the behavior and processing characteristics of advanced polymer materials. With its dual-screw configuration, the extruder ensures excellent material mixing, uniform temperature distribution, and optimized flow characteristics, essential for achieving the high-performance qualities of PA6 GF. This system is equipped with user-friendly features, allowing researchers and students to explore extrusion parameters, optimize processing conditions, and investigate the impact of glass fiber reinforcement on the material's properties. Perfect for educational environments, the machine supports a wide range of experiments, including material analysis, processing optimization, and the development of new polymer composites. The versatile design and robust performance make it a reliable choice for academic institutions, research labs, and R&D departments focused on advanced polymer science and engineering.

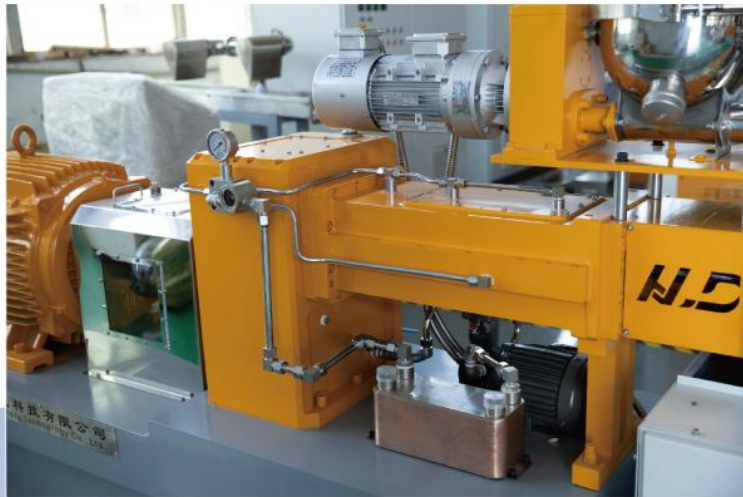
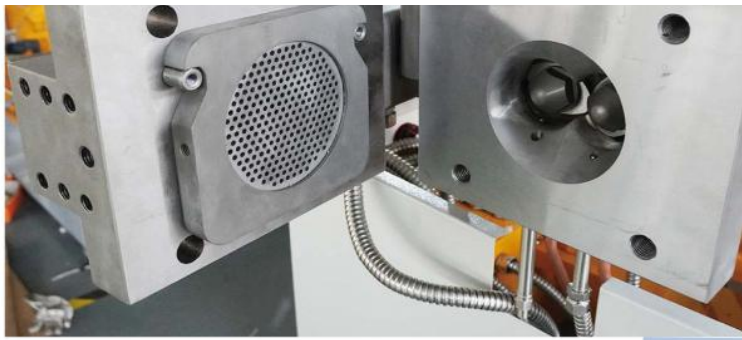
Model	L/D	Output
H-20B	28~60 :1	5~20kg/h
H-36B/40B	28~60 :1	60~150kg/h
H-50B/52B	28~60 :1	150~250kg/h
H-65B	28~60 :1	300~500kg/h
H-75B	28~60 :1	500~750kg/h
H-95B	28~60 :1	800~1500kg/h

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
	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
Glass fibre (Carbon fibre) Reinforcement (MD model short fibre)	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
Thermoplastic elastomer	PP, PBT, ABS, AS, PA6, PA66, PC, POM, PET, etc. + long carbon fiber or short carbon fiber
	TPR, TPU, TPV, SBS, SEBS, SIS, etc
	EVA, PU hot melt adhesive, silicone adhesive, UHMWPE spinning
Special material	Fluororubber, fluoroplastics, LCP, PEEK, PES, PL, PSU, etc.
	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
Various cable 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
Reactive extrusion	Flame retardant polyolefin cable materials, low smoke halogen-free flame retardant cable materials
	Low smoke and low halogen flame retardant PVC cable material
Devolatilization	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.
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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