



Twin Screw Plastic Compounding Extruder CaCO3 Filler Masterbatch Machine PLC 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-TSE35B/H-TSE50B/H-TSE65B/H-TSE75B/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: CaCO3 Filler Masterbatch Machine
- L/D: 28:1~custom
- Screw Design: Twin Screw
- Screw Elements Material: W6mo5cr4V2
- Electrical Brand: Siemens/ABB/Schneider/Delta/Omron/Other
- Warranty: 1 Year
- Heater: Copper Or Aluminum Heater/Heating Rods
- OEM: Support
- Video Outgoing-inspection: Provided
- Output: 60kg/h~custom
- Raw Material: PP PE PP PVC ABS EVA Pet TPU TPR PC HDPE And Other
- Pelletizing System: Strand Pelletizing/Die Face Pelletizing/Underwater
- Highlight: **CaCO3 Filler Masterbatch Extruder, PLC Control Twin Screw Compounding**



More Images



Product Description

Twin Screw Plastic Compounding CaCO3 Filler Masterbatch Machine

Our Twin Screw Plastic Mixing CaCO₃ Filler Masterbatch Machine is a state-of-the-art machine designed for efficient mixing and processing of Calcium Carbonate (CaCO₃) filler masterbatch. With its excellent performance and innovative design, this machine stands out in the plastics processing field, providing an efficient, stable and high quality production solution.

Key Features:

Excellent mixing and dispersing capability

High-efficiency screw design: The twin-screw structure provides powerful shear and mixing effects to ensure uniform dispersion of CaCO₃ and plastic substrates, improving product consistency and quality.

Adjustable screw element: According to different production requirements, the screw element configuration can be flexibly adjusted to optimize the mixing effect and adapt to the production requirements of various high filling and special formulations.

Precise temperature control system

Multi-area temperature control: Adopt multi-area independent temperature control system to ensure the precise control of temperature in each section and prevent the material from affecting the quality due to overheating or overcooling.

High-efficiency cooling system: cools the material quickly, improves the production efficiency and ensures the stability and quality of the product.

Intelligent operation and control

PLC control system: advanced PLC control system, easy to operate, real-time monitoring and adjusting production parameters, improve production stability and automation level.

Data Record and Analysis: Provide detailed production data record and analysis function, help users optimize process parameters, improve production efficiency and product quality.

Energy efficient design

Energy-saving motor: Equipped with energy-efficient motor and optimized transmission system to reduce energy consumption and operating costs.

Environmentally friendly design: Equipped with exhaust gas treatment system to reduce harmful emissions and comply with environmental standards, realizing green production.

High reliability and durability

High-quality materials: screws and barrels are made of high-strength wear-resistant materials to ensure long-term stable operation and low maintenance requirements of the equipment.

Safety Protection Device: Multi-level safety protection system, including emergency stop, overload protection and automatic alarm function, ensures the safety of operators and equipment.

Wide range of applications

Multiple material adaptability: suitable for CaCO₃ filled masterbatch production of various plastic materials, including PE, PP, PS, PVC, etc.

Multi-functional production: it can produce a wide range of plastic products such as high filler masterbatch, modified plastics, high-performance composites, etc. to meet the needs of different customers.

Our Twin Screw Plastic Mixing CaCO₃ Filler Masterbatch Machine is a leader in the plastics processing industry for its excellent performance, flexible configuration and efficient production capacity. Whether you are pursuing the production of high quality CaCO₃ filler masterbatch or other highly filled plastic products, our equipment can meet your high standards and provide stable, reliable and efficient production solutions. Contact our dedicated team for more information on customized solutions.

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
	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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