ABB Inverter Twin Screw Extruder Plastic Pellet Making Machine for Consistent Output and Long Service Life

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: HLD
- Model Number: TSE-20/26/35/50/75/95
- Minimum Order Quantity: 1
- Price: 199~20000
- Packaging Details: wooden/wrap/film
- Delivery Time: 45days
- Payment Terms: T/T
- Supply Ability: 200-500



Product Specification

- Screw Diameter: 20mm To 120mm
- Other Names: Plastic Pellet Making Machine
- Type: Granulating Production Line
- Screwdiameter: 20mm To 120mm
- Processing Type: Exturding Machine
- Incerter: ABB
- Output: 2kg/h~custom
- Outputcapacity: 10kg/h To 1000kg/h
- Output Capacity: 2kg/h To 1000kg/h
- Gearbox Torque: High Torque
- Inverter Brand: ABB
- Pelleting System: Water Strand
- Model Series: TSE-20 To TSE-95
- Highlight: **ABB Inverter Twin Screw Extruder**, **Consistent Output Plastic Pellet Making Machine**

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Product Description

Product Overview

Our Product Introduction

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The Twin Screw Extruder is a versatile, high-efficiency machine engineered for the plastic processing industry. Also known as a Plastic Pellet Making Machine, this granulating production line is built to meet the diverse needs of manufacturers seeking reliable and consistent pellet production. With an output capacity starting from 2 kg/h and fully customizable to specific production requirements, the machine offers flexibility and scalability across a wide range of industrial applications.

At its core lies Compounding Twin Screw Extruder technology, which delivers superior mixing and compounding capabilities. Unlike single screw extruders, the twin screw configuration enables enhanced material blending, making it ideal for producing uniform plastic pellets with consistent quality. This technology is particularly effective for processing polymers, composites, and recycled plastics, allowing manufacturers to optimize their production process and improve product performance.

Key Features & Mechanical Advantages

- **High Torque Extruder Gearbox:** Provides the power transmission needed to handle high-viscosity materials and ensures smooth, stable extrusion under demanding conditions. Its robust construction contributes to machine durability and longevity, reducing maintenance costs and downtime.
- **ABB Incerter Integration:** A consistent-quality inverter offering precise control over motor speed and torque. This enables fine-tuning of the extrusion process, enhancing energy efficiency and product consistency while responding accurately to varying processing demands.
- **Complete Granulating Production Line:** Encompasses all necessary components to streamline the pelletizing process from raw material feeding to pellet formation, with a design emphasizing ease of operation, maintenance, and cleaning.
- **Customizable Output:** Output range starting at 2 kg/h allows manufacturers to tailor the system to specific production volumes, making it suitable for both small-scale and large-scale operations.
- **One-Year Warranty:** Comprehensive warranty coverage underscores the manufacturer's commitment to quality and customer satisfaction, backed by robust after-sales support.

Applications

The HLD Twin Screw Extruder series—featuring models TSE-20, TSE-26, TSE-35, TSE-50, TSE-75, and TSE-95—is a versatile and reliable plastic pellet making machine designed to meet diverse processing needs. Manufactured in China, these extruding machines deliver exceptional performance with output capacities ranging from 10 kg/h to 1000 kg/h, and customizable output starting as low as 2 kg/h. A one-year warranty ensures long-term operational stability and customer confidence.

Equipped with a high torque extruder gearbox, these extruders provide enhanced power transmission and torque stability during the plasticizing and extrusion process. This makes them ideal for processing a wide variety of materials, including challenging polymers that require consistent and robust mechanical forces. The reliable gearbox also supports continuous operation, reducing downtime and maintenance costs.

Typical Application Scenarios

- **Plastic Recycling Plants:** Efficiently processes recycled materials into uniform pellets for reuse.
- **Masterbatch Production:** Precise mixing and compounding are crucial for achieving consistent quality products.
- **Film Extruder Machine Setups:** Facilitates the production of plastic films for packaging, agriculture, and industrial applications, with the twin screw design ensuring thorough mixing and consistent melt quality.
- **Specialty Compounds:** Suitable for biodegradable plastics, wood-plastic composites, and other specialty formulations.
- **R&D and Large-Scale Production:** Flexible enough for research and development laboratories as well as large-scale industrial production.

Customization Services

HLD offers comprehensive product customization services for the Twin Screw Extruder series, including models TSE-20, TSE-26, TSE-35, TSE-50, TSE-75, and TSE-95. Manufactured in China, these extruding machines—also known as Plastic Pellet Making Machines—are designed to meet diverse production needs within the granulating production line industry.

- **Tailored Extruder Screws and Barrels:** Optimized for performance and processing efficiency.
- **ABB Inverters:** Integrated for precise control and reliable operation.
- **Water Strand Pelleting System:** Advanced cutting method providing consistent pellet quality and enhanced cooling.
- **Film Extruder Machine Adaptation:** Customization for specialized applications, ensuring equipment is ideally suited to your production requirements.

Whether enhancing a Film Extruder Machine or adapting the Twin Screw Extruder for specialized applications, HLD's customization services combine durability, efficiency, and innovation tailored to your needs.

Support and Services

Our Twin Screw Extruder is designed to provide high efficiency and precision in various extrusion applications. We offer comprehensive technical support including installation guidance, operational training, and troubleshooting services to ensure optimal performance of your equipment.

- **Maintenance Assistance:** Help with maintenance schedules, spare parts replacement, and upgrades to enhance lifespan and productivity.
- **Customized Solutions:** Tailored to specific processing requirements and materials.
- **On-Site & Remote Diagnostics:** Quick response to any issues that may arise, maximizing operational uptime and minimizing disruptions.
- **Online Support Portal:** Access to detailed product manuals, software updates, and instructional videos.

We are committed to delivering exceptional service to help you achieve the best results with your Twin Screw Extruder.

Packing and Shipping

The Twin Screw Extruder is carefully packaged to ensure safe delivery and optimal condition upon arrival. Each unit is securely wrapped with protective materials such as foam padding and plastic wrap to prevent damage during transit. The extruder is then placed in a sturdy wooden crate or reinforced carton box designed to withstand handling and shipping pressures.

We offer multiple shipping options including sea freight, air freight, and land transportation depending on the destination and customer requirements. All shipments are accompanied by detailed documentation including a packing list, user manual, and warranty information. Our logistics team coordinates to ensure timely and efficient delivery to your specified location.

> Special care is taken to comply with international shipping regulations and customs requirements to avoid delays. Upon receiving the Twin Screw Extruder, customers are advised to inspect the packaging and product immediately and report any discrepancies or damages to our support team.

Frequently Asked Questions

Q1: What are the different models available for the HLD Twin Screw Extruder?

> The HLD Twin Screw Extruder is available in multiple models including TSE-20, TSE-26, TSE-35, TSE-50, TSE-75, and TSE-95 to suit various production needs.

Q2: Where is the HLD Twin Screw Extruder manufactured?

> The HLD Twin Screw Extruder is manufactured in China, ensuring consistent quality standards and reliable performance.

Q3: What applications is the HLD Twin Screw Extruder suitable for?

> The HLD Twin Screw Extruder is ideal for processing a wide range of materials including plastics, food products, and chemicals, making it versatile for different industries.

Q4: What are the advantages of using a twin screw extruder like the HLD TSE series?

> The twin screw design provides reliable mixing, improved material conveyance, and consistent product quality. It also allows for better temperature control and flexibility in processing various materials.

Q5: How can I choose the right HLD Twin Screw Extruder model for my needs?

> Model selection depends on your production capacity and material type. For smaller scale production, models like TSE-20 or TSE-26 are suitable, while larger scale operations may require TSE-75 or TSE-95. Contact HLD for expert advice tailored to your requirements.

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