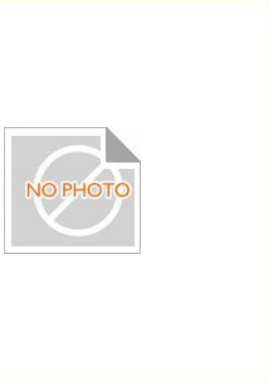
Granulating Production Line Twin Screw Extruder Featuring Outputcapacity 10kgh To 1000kgh and Screw Diameter 356 Ensuring Operation

Our Product Introduction

Basic Information

- Place of Origin: CHINA
- Brand Name: HLD
- Model Number: TSE-20/26/35/50/75/95



Product Specification

- Processing Type: Exturding Machine
- Incerter: ABB
- Other Names: Plastic Pellet Making Machine
- Outputcapacity: 10kg/h To 1000kg/h
- Type: Granulating Production Line
- Screwdiameter: 20mm To 120mm
- Output: 2kg/h~custom
- Screw Diameter: 21.7,35.6,50.5,62.4,71

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Product Description

Our Product Introduction

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Product Description:

The Twin Screw Extruder is a highly versatile and efficient granulating production line designed to meet the diverse needs of modern manufacturing industries. With an output capacity ranging from 10kg/h to 1000kg/h, this extruder machine offers unparalleled flexibility, allowing businesses to scale their production according to demand. Whether you require a modest output of 2kg/h for specialized applications or a fully customized throughput to suit large-scale operations, the Twin Screw Extruder is engineered to deliver consistent, consistent quality results.

At the core of this production line is the Compounding Twin Screw Extruder, a sophisticated piece of equipment that combines advanced engineering with robust construction to ensure optimal performance. The intermeshing twin screw design facilitates superior mixing and compounding of materials, enabling uniform dispersion of additives, fillers, and reinforcements. This results in enhanced product quality and improved mechanical properties of the extruded material. The extruder is particularly well-suited for processing a wide range of polymers and composites, making it an essential component for industries such as plastics, rubber, and chemical manufacturing.

One of the standout features of this granulating production line is its cutting method, which employs the Water Strand Pelleting System. This innovative cutting technology ensures precise and efficient pelletizing of the extruded strands, producing uniformly sized pellets that are easy to handle, transport, and process further. The water strand pelleting approach also helps in cooling the pellets rapidly, preserving their integrity and preventing deformation. This method enhances productivity by reducing downtime associated with pellet cooling and handling, thereby increasing overall operational efficiency.

In addition to its impressive output capabilities and advanced cutting method, the Twin Screw Extruder is designed with user convenience and longevity in mind. The machine comes with a one-year warranty, underscoring the manufacturer's commitment to quality and customer satisfaction. This warranty provides peace of mind to operators, ensuring that any manufacturing defects or issues are promptly addressed. Furthermore, the extruder machine parts are manufactured with precision and durability, using high-grade materials that withstand the rigors of continuous industrial use. Easy maintenance and availability of replacement parts further contribute to the machine's reliability and long service life.

The Twin Screw Extruder is not just a piece of equipment; it is a comprehensive granulating production line that integrates seamlessly with existing manufacturing setups. It is compatible with various Film Extruder Machine configurations, allowing users to expand their production capabilities without significant overhauls. This compatibility makes it an ideal choice for companies looking to diversify their product range or enhance their existing extrusion processes. The extruder's modular design facilitates customization and upgrades, enabling businesses to adapt to evolving market demands and technological advancements.

Overall, the Twin Screw Extruder stands out as a powerful, adaptable, and reliable solution for granulating and compounding applications. Its broad output capacity, advanced compounding capabilities, innovative water strand pelleting system, and robust construction make it a preferred choice for manufacturers aiming to achieve high efficiency and superior product quality. Whether integrated into a Film Extruder Machine setup or used as a standalone compounding twin screw extruder, this machine delivers exceptional performance and value. With covered by warranty support through a one-year warranty and readily available extruder machine parts, the Twin Screw Extruder is an investment that promises long-term productivity and success in the competitive manufacturing landscape.

Applications:

The HLD Twin Screw Extruder, available in models TSE-20, 26, 35, 50, 75, and 95, is a versatile granulating production line originating from China. Designed with precision and durability, this extruder machine features screw diameters ranging from 20mm to 120mm, catering to a wide range of processing needs. The cutting method employed is a Water Strand Pelleting System, ensuring efficient and consistent quality pellet production. Equipped with ABB inverters, the extruder offers stable and energy-efficient operation, making it ideal for continuous industrial use.

This twin screw extruder is extensively used in various application occasions and scenarios across multiple industries. In the plastics industry, it is ideal for compounding, mixing, and pelletizing different polymer materials. The extruder machine parts, including extruder screws and barrels, are engineered to withstand high temperatures and pressures, ensuring consistent product quality and prolonged equipment life. This makes the HLD TSE series ideal for processing engineering plastics, biodegradable materials, and specialty polymers.

In the food industry, the TSE series twin screw extruder is widely applied for producing snacks, cereals, and pet food pellets. The precise control over the extrusion parameters allows for customization of product texture and shape, meeting diverse consumer demands. The Water Strand Pelleting System enhances the cutting efficiency, resulting in uniform pellet sizes and improved product appearance.

Moreover, the HLD twin screw extruder finds its application in chemical and pharmaceutical sectors where precise mixing and granulation are critical. The robust extruder machine parts ensure minimal downtime and reliable performance under demanding process conditions. With a warranty of one year, customers can have confidence in the longevity and support provided with their purchase.

Overall, the HLD TSE series twin screw extruder is suitable for research and development laboratories, pilot plants, and full-scale production facilities. Its modular design allows easy replacement and maintenance of extruder screws and barrels, optimizing operational efficiency. Whether for plastic compounding, food processing, or chemical granulation, this twin screw extruder machine is a dependable solution that meets diverse production requirements.

Customization:

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 Conical Twin Screw Extruder machines are designed to meet diverse production needs with screw diameters ranging from 20mm to 120mm and output capacities from 2kg/h up to customized requirements reaching 1000kg/h.

Our Film Extruder Machine solutions incorporate a High Torque extruder Gearbox to ensure reliable performance and efficient processing. The cutting method utilizes the advanced Water Strand Pelleting System, providing consistent quality pellet production and minimizing material waste.

With a warranty period of one year, HLD backs the durability and quality of our Twin Screw Extruder products. Whether you require low or high output capacity, we tailor each extruder to your specific application, ensuring optimal productivity and performance.

Support and Services:

Our Twin Screw Extruder product is supported by a dedicated technical support team committed to ensuring optimal performance and customer satisfaction. We offer comprehensive installation guidance, routine maintenance advice, and troubleshooting assistance to minimize downtime and maximize productivity.

In addition to technical support, we provide a range of services including customized training sessions for operators, on-site inspections, and preventive maintenance programs tailored to your specific extrusion processes. Our experts work closely with you to optimize machine settings and material formulations to achieve the suitable possible output quality.

We also offer software updates and upgrades for our control systems to keep your Twin Screw Extruder running with the latest technological advancements. Spare parts and replacement components are readily available to ensure quick turnaround times.

Our commitment extends beyond the sale, providing ongoing support and consultation to help you adapt to changing production needs and industry standards. Trust our experienced support team to assist you every step of the way with your Twin Screw Extruder operations.

Packing and Shipping:

Product Packaging: The Twin Screw Extruder is carefully packaged to ensure safe transportation and delivery. It is securely wrapped with protective materials such as foam and bubble wrap to prevent any damage during transit. The extruder is then placed inside a sturdy wooden crate or reinforced cardboard box, depending on the size and weight of the unit. All packaging materials are chosen to provide cushioning and stability, minimizing movement and impact. Additionally, the packaging is labeled clearly with handling instructions and product details to facilitate smooth handling and identification.
Shipping: The Twin Screw Extruder is shipped using reliable freight services that specialize in heavy machinery transportation. Depending on the destination, shipping options include sea freight, air freight, or land transportation. Prior to shipping, the extruder undergoes thorough inspection to ensure it meets quality standards and is securely fastened within the packaging. Tracking information is provided to customers for real-time shipment monitoring. Delivery schedules and logistics are coordinated to ensure timely and safe arrival at the customer's location, with options for installation support if required.

FAQ:

Q1: What are the available models of the HLD Twin Screw Extruder?
A1: The HLD Twin Screw Extruder is available in the following models: TSE-20, TSE-26, TSE-35, TSE-50, TSE-75, and TSE-95.
Q2: Where is the HLD Twin Screw Extruder manufactured?
A2: The HLD Twin Screw Extruder is manufactured in China.
Q3: What applications is the HLD Twin Screw Extruder suitable for?
A3: The HLD Twin Screw Extruder is ideal for compounding, mixing, and processing various polymers, including PVC, PE, PP, and other plastic materials.
Q4: What is the main advantage of using a twin screw extruder compared to a single screw extruder?
A4: Twin screw extruders, like the HLD TSE series, offer better mixing, higher output, and improved processing of complex materials compared to single screw extruders.
Q5: Can the screw configuration be customized on the HLD Twin Screw Extruder?
A5: Yes, the screw configuration of the HLD Twin Screw Extruder can be customized to meet specific processing requirements and materials.

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