



## High Torque Co-Rotating Twin Screw Extruder for Polymer Compounding

Our Product Introduction

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### Basic Information

- Place of Origin: Nanjing China
- Brand Name: HLD
- Certification: SGS/ISO9001/CE
- Model Number: TSE20B/35B/50B/65B/75B/95B
- Minimum Order Quantity: 1/set
- Price: face to face /set
- Packaging Details: Bubble wrap/ Wrap film/ Wooden box
- Delivery Time: 35~45 Days
- Payment Terms: T/T,
- Supply Ability: 200~500 set/year



### Product Specification

- Screw Design: Double-screw
- Voltage: 380V,380V/50HZ,Customized
- Condition: New
- Application: Granules
- After-sales Service Provided: Engineers Available To Service Machinery Overseas,Video Technical Support,Field Maintenance And Repair Service,Online Support,Field Installation
- Power(w): 4,22,55,75,110,132,160
- Dimension(l\*w\*h): Different
- Warranty: 1 Year
- Raw Material: Rice Powder,PS Granule,PVC Powder,PP PE PET PS ABS PA PVC Caco3 Etc.,Millet Powder
- Usage: To Extrusion Plastic Granules
- Screw Diameter: 21.7,35.6,50.5,62.4,71
- Material: Nickel Based Alloy,316L Stainless



### More Images



### Product Description

#### 1. Product Overview

The TSE-20/26/35/50/65/75/95 Twin Screw Extruder is engineered for high-torque, high-speed compounding applications.

Designed with modular principles, it offers exceptional flexibility for processing a wide range of materials, including [TPU, PET flakes, Flame Retardant Masterbatch]. With advanced processing technology, this machine ensures perfect dispersion, compounding, and pelletizing results.

## 2. Core Advantages

**High Efficiency & Output:** Optimized screw geometry ensures high throughput and excellent mixing quality.

**Modular Design:** Features customizable screw elements (e.g., precisely engineered 32-piece sets) and interchangeable barrels to meet specific compounding needs.

**Premium Materials:** Equipped with high wear-resistant bimetallic barrels and high-grade alloy screw elements for extended service life.

**Precise Control:** Integrated with advanced PLC control systems and high-precision melt pressure sensors for stable and safe operation.

**Energy Saving:** Optimized heating and cooling systems reduce energy consumption by up to [10%~20%].

## 3. Technical Specifications

### Lab Twin-Screw Extruder

Model	Screw Diameter (mm)	L/D Ratio	Main Motor Power (KW)	Max. Screw Speed (rpm)	Output Capacity (kg/h)
TSE-12	62.4	32-52	75-132	600/900	200-400
TSE-16	71	32-52	110-250	600/900	350-800
TSE-20	92	32-52	250-400	600/900	800-1500
TSE-25/26					

## 4. Applications (用域)

This extrusion line is highly suitable for:

Model(Standard )	Screw Diameter (mm)	L/D Ratio	Main Motor Power (KW)	Max. Screw Speed (rpm)	Output Capacity (kg/h)
TSE-20	21.7	28-72	4/7.5	600	2-10
TSE-26	25	28-72	7.5/11	600	5-15
TSE-35	35.6	28-72	22/30/37/45	800	20-100
TSE-50	50.5	28-72			
TSE-65	62.4	28-72	75-132	600/900	200-400
TSE-75	71	28-72	110-250	600/900	350-800
TSE-95	92	28-72	250-400	600/900	800-1500
Customizable Models					

## 4. Applications (用域)

This extrusion line is highly suitable for:

**Polymer Compounding:** Blending, filling, and modifying plastics.

**Masterbatch Production:** Color masterbatch, flame retardant masterbatch equipment, and functional additives.

**Recycling:** High-value recycling of PET flakes, scrap films, and edge trims.

**Specialty Plastics:** TPU processing, biodegradable materials (PLA/PBAT).

## 5. Service & Global Support (服与售后 - 加信任背)

We don't just sell machines; we provide complete engineering solutions.

**Pre-sales:** Customized machine configuration and layout design.

**Production:** Strict quality control with regular video updates during manufacturing.




**After-sales:** Global shipping (experienced in delivering to regions like Australia, South Asia, etc.), fast spare parts delivery, and remote/on-site installation guidance.

## Call to Action (CTA - 引)

**Ready to upgrade your extrusion production?**

[Contact Us Today for a Customized Quote] (插入 接/按)

[Download Full Technical Catalog PDF] (插入 接/按)

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