



Advanced Lab Scale Twin Screw Extruder for Color Matching

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

- Name: Lab Machine
- Type: Co-rotating Parallel Twin-Screw Extruder
- Raw Material: PS Granule,PVC Powder,PP PE PET PS ABS PA PVC Caco3 Etc.,Millet Powder
- Output Capacity: 2-20KG/H
- Feedingmethod: Volumetric / Gravimetric
- Screw Material: 38crmnal, 6542, other
- Motor: 4/7.5/11kw
- Screw Design: Twin Screw
- Pellet Mill Type: Screw Granulator
- Diameter: 21.7
- Ratio: L/D=32-52
- Control System: PLC/Touch Screen
- Highlight: lab scale twin screw extruder, twin screw extruder for color matching, color matching extruder with warranty



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-20B	21.7	32-52	4-7.5	600	2-10
TSE-25D/26D	25	32-52	11	600	5-25

TSE Series Co-rotating Parallel Twin-Screw Extruder

Model(Standard)	Screw Diameter (mm)	L/D Ratio	Main Motor Power (KW)	Screw Speed (rpm)	Output Capacity (kg/h)
TSE-35	35.6	28-72	22,30,37,45	500,600,800	20-100
TSE-50	50.5	28-72	55,75,90,110,132	500,600,800	100-150
TSE-65	62.4	28-72	75-132	500,600,800	200-400
TSE-75	71	28-72	110-250	500,600,800,900	350-800
TSE-95	93	28-72	250-400	500,600,800,900	800-1500
Customizable Models	-	-	-	-	-

4. Applications

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

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.

Ready to upgrade your extrusion production?

For quick technical support or a customized quote, feel free to reach out directly:

Email: catherine@hldextruder.com

WhatsApp / WeChat: [+86 13016994160](https://wa.me/8613016994160)

** Tip: We typically respond within 12 hours with detailed machine configurations and pricing.*

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