High Output Energy Saving Twin Screw Extruder with PLC Touchscreen Control for Co-Rotating Twin Screw Compounding Extruder

Our Product Introduction

Basic Information

- Place of Origin: Nanjing china
- Brand Name: HLD
- Certification: SGS, ISO9001, CE
- Model Number: TSE
- Minimum Order Quantity: 1/set
- Price: face to face/ set
- Packaging Details: Bubblewrap/Wrap film/wooden film
- Delivery Time: 35~45days
- Payment Terms: T/T
- Supply Ability: 300sets/year



Product Specification

- Main Power: 75Kw/ 90Kw/ 110kw/ 132Kw/ 160Kw/ 200Kw
- Heater Type: Copper Or Aluminum Heater/Heating Rods
- Screw Material: W6mo5cr4V2
- Heating System: Ceramic Heater/Alloy Heater
- Control System: PLC With Touchscreen Interface
- Power Saving: 30%-40%
- Highlight: **High Output Twin Screw Extruder**, **Energy Saving Twin Screw Extruder**, **PLC Touchscreen Control Twin Screw Extruder**



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Product Description

Product Overview

Our Product Introduction

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Our independently innovated inline co-rotating parallel triple-screw extrusion equipment adopts a unique straight-line three-screw structure. Compared with traditional twin-screw extruders, its mixing and compounding capacity is doubled, with significantly improved production efficiency.

The equipment features a short material high-temperature residence time and saves 30%–40% power consumption, while delivering outstanding devolatilization performance. Excellent compounding effect can be achieved with a smaller length-to-diameter ratio.

Key Performance Advantages

2×
Mixing and compounding capacity versus traditional twin-screw extruders

30%–40%
Power consumption savings during operation

Shorter L/D
Excellent compounding achieved with a smaller length-to-diameter ratio

Technical Highlights

- Unique straight-line three-screw structure with co-rotating parallel triple-screw design.
- Doubled mixing and compounding capacity compared with traditional twin-screw extruders.
- Short material high-temperature residence time for improved processing stability.
- 30%–40% power consumption savings during operation.
- Outstanding devolatilization performance.
- Excellent compounding effect achievable with a smaller length-to-diameter ratio.

Application Scenarios

The equipment perfectly adapts to demanding processing scenarios, including:

- High-filler formulations
- High-dispersion engineering plastics
- Functional masterbatches
- Cable materials
- Reactive extrusion processes

At a Glance

Screw Configuration	Inline co-rotating parallel triple-screw, straight-line structure
Compounding Capacity	Doubled versus traditional twin-screw extruders
Power Consumption	30%–40% savings
Residence Time	Short material high-temperature residence time
Devolatilization	Outstanding performance
Length-to-Diameter Ratio	Smaller L/D with excellent compounding effect

Our Commitment

With professional technology, innovative concepts, and efficient execution, we help customers stand out in fierce market competition and achieve dual growth in brand influence and product value.

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