Small Scale Twin Screw Extruder and Twin Screw Pelletizer with Multi Stage Temperature Regulation and Touchscreen Control for Plastic Pelletizing

Our Product Introduction

Basic Information

- Minimum Order Quantity: 1
- Price: 100000
- Delivery Time: 15-25work day
- Payment Terms: T/T
- Supply Ability: 100-200 set/year



Product Specification

- Screw Diameter: 25 Mm
- Screw Configuration: Co-rotating Parallel Twin Screw
- Drive Method: Variable-frequency Motor + Gear Reducer
- Control Method: PLC Touchscreen Control
- Throughput: 5-25 Kg/h
- Temperature Regulation: Multi-stage Independent Temperature Control
- Highlight: **Small Scale Twin Screw Extruder**, **Multi Stage Temperature Regulation Twin Screw Pelletizer** , **Touchscreen Control Twin Screw Extruder**



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Product Description

Small-scale laboratory plastic modification and pelletizing equipment

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Brief Overview

The Model 25 twin-screw extruder granulator is a compact laboratory-scale twin-screw unit suitable for research and development in academic institutions, sample production for new materials, formulation optimization, and small-batch modified granulation. The equipment occupies a small footprint, offers flexible operation, ensures uniform mixing and plasticization, and allows for convenient material changeover and machine cleaning. It is compatible with formulation experiments for various plastics, including PP, PE, PLA, PA, filled plastics, and glass-fiber reinforced plastics.

Product Description

This 25-unit twin-screw extrusion granulator is a specialized piece of equipment developed for laboratory use. It features a parallel, co-rotating twin-screw configuration, with the screw length-to-diameter ratio available as an optional configuration. The entire unit is equipped with an independent temperature control system providing multi-stage precise temperature regulation; combined with a visualized barrel, it allows for easy monitoring of the material's melting state. The touchscreen enables one-touch operation, and parameters can be adjusted at any time; cleaning the machine and changing materials is straightforward, significantly reducing sample preparation costs. It is widely used in university research and corporate R&D departments for the formulation development, modification, blending, and small-scale pilot granulation of degradable materials.

Basic Reference Parameters

Parameter	Specification
Screw Diameter	25 mm
Screw Configuration	Co-rotating parallel twin screw
Drive Method	Variable-frequency motor + gear reducer
Control Method	PLC touchscreen control
Applicable Processes	Plastic blending and modification, filling, glass fiber reinforcement, and degradation material sampling
Applicable Throughput	5–25 kg/h (adjustable according to formulation)
Applicable Materials	PP, PE, ABS, PLA, PA, PVC, etc.

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