

Planetary Roller Extruder for Plastics and Rubber

The planetary roller extruder is a specialized machine for processing plastics and rubber. It utilizes a central screw and multiple planetary rollers for efficient mixing, kneading, and conveying of materials.



Product Overview

High-Efficiency Planetary Processing

This planetary roller extruder utilizes a central screw surrounded by multiple smaller planetary screws to maximize the material interface area. This unique configuration ensures superior heat exchange and significantly reduces raw material residence time. By optimizing the melting process, it effectively lowers the consumption of stabilizers and lubricants, offering an efficient solution for plastics and rubber processing.

Technical Features

Design Advantages

- High throughput capacity
- Excellent material homogenization
- Robust construction for high pressure and temperature
- Modular design for customization
- Simplified maintenance access

Process Capabilities

Compounding, Reactive Extrusion, Devolatilization, Mixing, Kneading, Conveying

Performance Metrics

Performance Highlights

1 count

Central Screw

1 Long Service Life

Reliability