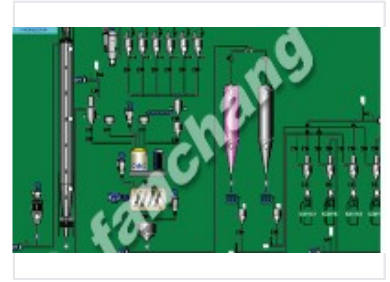


Plastic and Rubber Compounding Production Line

This compounding production line is designed for plastic and rubber processing. It features a series of interconnected pipes, vessels, and reactors for continuous material processing with a high degree of automation.



Overview

Automated Compounding Solution

This plastic and rubber compounding production line is designed for high-precision material processing, featuring a fully automated system from material feeding to final cooling. The line integrates pneumatic conveying, electronic weighing, and dual-stage mixing (heating and cooling) to ensure consistent quality. With built-in dust collection and automated material handling, it provides a clean, efficient, and reliable solution for industrial compounding requirements.

Process Workflow

Operational Stages

- Manual material dumping and pneumatic conveying
- Automated electronic weighing and feeding
- Auxiliary material integration via step-in feeder
- Dual-stage mixing: Heating followed by automated cooling
- Impulse dust collection and cleaning

Technical Features

Storage Capacity

4 units

Main Storehouses

1 m3

Final Storage Volume

Automation & Control

Pneumatic Conveying, Electronic Balance Weighing, Infrared Material Detection, Automated Temperature Control, Impulse Dust Collection

Dust Management System

Yes