

Air-Cooled Plastic Pelletizing Line

This air-cooled plastic pelletizing line is designed for efficient and continuous production of plastic pellets. It integrates mixing, extrusion, cooling, and pelletizing processes into a single automated system.



Overview

Automated Plastic Pelletizing Solution

This air-cooled plastic pelletizing line integrates mixing, feeding, extruding, and pelletizing into a single, continuous, high-efficiency automated system. Designed for plastic modification, coloring, and the production of functional masterbatch, it handles highly-filled resins and rubber-plastic blends with ease. The system features advanced temperature control options and proprietary rotor and feeder technologies to ensure full plasticization and even distribution.

Technical Features

Heating Options

- Electric heating
- Steam heating
- Hot-oil circulation heating

Control & Automation

PLC Control • Video Interface • Frequency Control • Automated Process

Patented Technologies

Four-wing ST rotor mixing, Double conical-screw feeder

Operational Details

Integrated Process Steps

- Mixing
- Feeding
- Extruding
- Air-cooled hot pelletizing
- Air-blowing cooling

Cooling & Separation

- Cyclone separator
- Rotary-drum cooler
- Disc-type grizzly

Maintenance Features

Quick-change screen at the front of the head for reduced effort and downtime.