

Multilayer Blown Film Production Line

This unit is designed for processing PA, EVOH, and other gas barrier resins. It is used for producing multilayer films with five or more layers of various specifications to meet requirements for high gas barrier packaging.



Product Overview

High-Performance Multilayer Blown Film Line

This advanced production line is engineered for high-barrier packaging applications, specifically designed to process PA, EVOH, and other specialized gas barrier resins. It enables the production of five-layer or higher multilayer films, providing superior protection against oxygen, nitrogen, and carbon dioxide to ensure extended shelf life and freshness. The system features a modular design, allowing for flexible processing of diverse raw materials and formulations to meet specific packaging requirements.

Technical Capabilities

Supported Materials	PA, EVOH, Gas Barrier Resins
Layer Capacity	5 layers or more

Control Systems

Centralized Fieldbus System

- Digital communication network control
- Real-time monitoring of temperature, pressure, current, and voltage
- Automatic alarm and self-diagnosis functions
- Control of traction, tension, and linear speed

Interlayer Ratio Control	Precision control of thickness and ratio between layers to optimize barrier performance and resin efficiency.
Thickness Management	Closed-loop system with online thickness measurement and automatic die/air ring control.

Design Features

Design Approach	Modular design concept for flexible configuration and material processing.
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