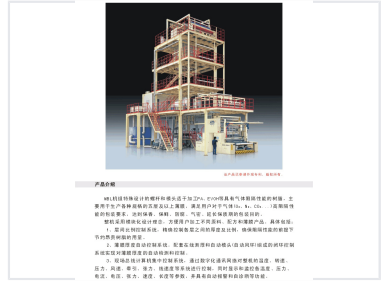


Multi-Layer Film Blowing Machine

This machine is designed with specialized screws and dies for processing PA, EVOH, and other resins with gas barrier properties. It is used for producing five-layer or thicker films, providing high barrier packaging with aroma retention, freshness preservation, and extended shelf life.



Overview

High-Performance Barrier Film Production

The Multi-Layer Film Blowing Machine is engineered for producing high-barrier films, including five-layer or thicker specifications. It is specifically designed to process advanced resins like PA and EVOH, ensuring superior gas barrier properties (O₂, N₂, CO₂) for applications requiring aroma retention, freshness, and extended shelf life. The system utilizes a modular design, allowing for flexible configuration to accommodate diverse raw materials and film formulations.

Technical Capabilities

Monitored Parameters

- Temperature
- Rotational Speed
- Pressure
- Wind Speed
- Traction
- Tension
- Linear Speed
- Current
- Voltage
- Length

Barrier Capabilities

O₂ Barrier, N₂ Barrier, CO₂ Barrier, Aroma Retention, Anti-Corrosion

Control Systems

Integrated Control Systems

- Interlayer ratio control system for precise thickness management
- Automatic film thickness control with online measurement
- Closed-loop automatic die/air ring control
- Fieldbus computer centralized control system
- Digital communication network for system monitoring
- Automatic alarm and self-diagnosis functions

Design Features

Key Design Highlights

Modular Design • Gas Barrier Optimization • Resin Saving Technology • Closed-Loop Control • Centralized Digital Control