

Breathable Polyethylene Film Casting Machine

The Breathable Polyethylene Film Casting Machine produces breathable polyethylene films. It utilizes a casting process to create films with controlled porosity, allowing air permeability while maintaining liquid impermeability.



Overview

High-Performance Breathable Film Production

This specialized casting machine is engineered for the precise production of breathable polyethylene films, essential for high-demand applications such as PPE clothing, baby diapers, and hygiene pads. The system utilizes an advanced casting process to ensure controlled porosity, balancing air permeability with liquid impermeability. Designed for efficiency and consistency, it features a multi-layer extrusion system and automated winding mechanisms to support high-volume manufacturing environments.

Technical Specifications

Max Extrusion Capacity

300 kg/h

Max Extrusion

Mechanical Design Speed

150 m/min

Design Speed

Product Width	1600 mm
Finished Product Thickness	15-40g/m ²
Compatible Materials	PE Breathing Grade

Electrical Requirements

Power Configuration

- 3 Phase, 4 Line, 380V
- Single Phase 220V, 50Hz

Applications

Primary Applications

PPE Clothing • Baby Diapers • Hygiene Pads • Medical Packaging