

PE Breathable Film Extrusion Line

This extrusion line produces PE breathable film from granulated raw materials using a twin-screw granulator. It features single or three-layer extrusion, MDO uniaxial stretching, heat setting, and thermal compositing with non-woven fabric.



ADDITIONAL IMAGES



Overview

High-Performance Breathable Film Extrusion Solution

This PE breathable film extrusion line is engineered for high-speed, precision manufacturing of breathable membranes. Designed for consistency and reliability, the system integrates advanced dosing, extrusion, and stretching units to ensure uniform film thickness and optimal breathability. It is an ideal solution for producing high-quality films used in hygiene products, medical applications, and specialized packaging.

Technical Parameters

Performance Specifications

Model	Width (mm)	Thickness Range (mm)	GSM Range (gsm)	Speed (m/min)
1600	1600	0.015-0.05	15-50	100-200
2200	2200	0.015-0.05	15-50	100-200
2500	2500	0.015-0.05	15-50	100-200
3200	3200	0.015-0.05	15-50	100-200

System Components

Included Equipment

- Dosing and dry system
- Extruder
- Screen changer
- Melt pressure temperature sensor
- Melt pump
- Casting film special die
- Quick mold stripping device
- Casting film forming unit
- Unilateralism stretch unit
- Deep embossing device
- Corona treater
- 1st traction and slitting device
- Edge trimming and convey system
- 2nd traction and automatic winder
- Control system

Application

Suitable Applications

Hygiene Products, Medical Applications, Breathable Packaging, Membrane Production