

HDPE Geomembrane Production Line

This production line is designed for manufacturing HDPE geomembrane sheets. It supports film widths from 1 to 9 meters and thicknesses from 0.2 to 2.2mm with 1-5 layer co-extrusion.



ADDITIONAL IMAGES



Overview

High-Performance Geomembrane Extrusion

This professional-grade blown extrusion line is engineered for the high-capacity production of HDPE and LDPE geomembranes. Capable of producing films up to 9 meters wide with thicknesses ranging from 0.2mm to 2.2mm, it is ideal for manufacturing durable pond liners and environmental containment barriers. The system supports multi-layer co-extrusion from 1 to 5 layers, ensuring superior mechanical properties and material distribution for demanding B2B applications.

Key Capabilities

Performance Metrics

9 m

Maximum Film Width

2.2 mm

Maximum Thickness

1800 kg/h

Maximum Output

Technical Specifications

Compatible Materials	HDPE, LDPE, LLDPE, EVA, mPE, Master Batch, Recycled Materials
Co-extrusion Layers	1-5 Layers

System Components

Standard Configuration

- Single-screw Extruder
- Screen changer
- Die head
- Air ring (cooling fan and connecting soft tube)
- Herringbone and sizing cage
- Traction device
- Rewinder device
- IBC inner cooling of film bubble
- Matched spare parts set

Model Comparison

Model Performance Parameters

Model	Max Width (mm)	Layers	Max Output (kg/h)	Die Diameter (mm)
TM3500	6000	1	700	1500
2TM3500	6000	2	800	1500
2TM4000	7000	2	1600	1800
3TM4000	7000	3	1500	1800
2TM5000	8000	2	1500	2100
3TM5000	8000	3	1800	2100

Compliance & Quality

Quality Standards

ISO 9001 • CE • SGS • CQC • CCC