

Geomembrane Extrusion Line for HDPE Pond Liners

This geomembrane extrusion line produces HDPE pond liners with a thickness of 1-2mm. It can process HDPE, LDPE, master batch, or recycled materials to create film from 1 to 9 meters wide with 1-5 layers.



ADDITIONAL IMAGES



Overview

High-Performance Geomembrane Production

This advanced blown extrusion line is specifically engineered for the high-efficiency production of HDPE pond liners and geomembranes. Capable of producing films from 1 to 9 meters in width and thicknesses up to 2.5mm, it supports multi-layer co-extrusion from 1 to 5 layers. The system is designed for versatility, processing various materials including HDPE, LDPE, and recycled resins for environmental and civil engineering applications.

Performance Metrics

Key Capabilities

9 m

Max Film Width

2.5 mm

Max Thickness

1800 kg/h

Max Output

Technical Specifications

Model Comparison

Model	Max Width (mm)	Thickness (mm)	Layers	Max Output (kg/h)
TM3500	6000	0.2-1.5	1	700
2TM3500	6000	0.2-2.5	2	800
2TM4000	7000	0.2-2.5	2	1600
3TM4000	7000	0.2-2.5	3	1500
2TM5000	8000	0.2-2.5	2	1500
3TM5000	8000	0.2-2.5	3	1800

Co-extrusion Layers

1-5 Layers

System Components

Standard Configuration

- Single-screw Extruder
- Screen changer
- Die head
- Air ring with cooling fan
- Herringbone and sizing cage
- Traction device
- Rewinder device
- IBC inner cooling system
- Matched spare parts set

Material Compatibility

Compatible Materials

HDPE, LDPE, LLDPE, EVA, mPE, Master Batch, Recycled Materials

Compliance & Quality

Quality Standards

CE • ISO 9001 • SGS • CQC