

Geomembrane Pond Liner Extrusion Machine

This geomembrane extrusion machine produces pond liners with adjustable thickness from 0.2-2.2mm and widths from 1-9 meters. It can process HDPE, LDPE, or recycled materials in up to five layers.



ADDITIONAL IMAGES



Overview

High-Performance Geomembrane Extrusion Line

This industrial-grade blown extrusion line is engineered for the precise manufacturing of HDPE, LDPE, LLDPE, and EVA geomembrane pond liners. Designed for versatility, the system supports multi-layer co-extrusion capabilities and produces wide, consistent sheets suitable for critical waterproofing applications in civil engineering and environmental projects. Its robust construction integrates advanced cooling, traction, and winding mechanisms to ensure uniform thickness and high output efficiency.

Technical Specifications

System Components

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

Compatible Materials

HDPE, LDPE, LLDPE, EVA, mPE, Master batch, Recycled materials

Performance Metrics

Production Capabilities

9 m

Max Film Width

2.5 mm

Max Film Thickness

5 layer

Max Layers

Model Comparison

Model Specifications

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

Certifications

Quality Standards

CE • ISO 9001 • CQC • SGS