

Geomembrane Extrusion Line for HDPE Pond Liners

This geomembrane blown extrusion line is designed for producing pond liners. It processes HDPE, LDPE, and recycled materials into films with a wide range and adjustable thickness.



ADDITIONAL IMAGES



Product Overview

High-Performance Geomembrane Production

This advanced blown extrusion line is specifically engineered for the high-volume production of HDPE and LDPE geomembranes used in pond liners and environmental containment. The system supports multi-layer co-extrusion from 1 to 5 layers, allowing for specialized material properties across a wide thickness range of 0.2mm to 2.2mm. Designed for industrial-scale water management and landfill projects, it delivers consistent film quality with widths reaching up to 9 meters.

Primary Applications

- Pond Liners
- Landfill Lining
- Water Reservoirs
- Environmental Containment
- Civil Engineering Projects

Key Performance Metrics

Performance Highlights

9 m

Maximum Film Width

2.2 mm

Maximum Thickness

1800 kg/h

Maximum Output

Technical Specifications

Model Performance Table

Model	Max Width (mm)	Thickness (mm)	Layers	Max Output (kg/h)
TM3500	6000	0.2-1.5	1	700
2TM3500	6000	0.2-2.2	2	800
2TM4000	7000	0.2-2.2	2	1600
3TM4000	7000	0.2-2.2	3	1500
3TM5000	8000	0.2-2.2	3	1800

System Components

Standard Configuration

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

Material Processing

Compatible Raw Materials

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

Compliance & Quality

Quality Standards

CE • ISO 9001 • CCC • SGS • CQC