

Melt-Blown Fabric Production Line

This equipment produces melt-blown non-woven fabrics using polypropylene as the main raw material. It can produce fabrics with different colors and functions by adding master batch and additives.



ADDITIONAL IMAGES



Overview

High-Performance Melt-Blown Fabric Production

This melt-blown nonwoven production line utilizes advanced high-speed hot air technology to draw polymer melt into ultra-fine fibers. Engineered for consistent output and uniform fiber distribution, the system is ideal for manufacturing specialized filtration media, medical textiles, and hygiene products. The line integrates precise temperature control and robust extrusion systems to ensure long-term performance and minimal material waste.

Process Technology

Standard Production Workflow

- Polymer preparation
- Melt extrusion
- Metering pump
- Melt-blown die head assembly
- Melt flow stretching
- Cooling
- Coiler

Key Features

Core Capabilities

High-velocity hot air system, Precision temperature control, Continuous operation, Uniform fiber formation, Advanced web forming

Applications

Primary Applications

Filtration Media • Medical Textiles • Hygiene Products • Insulation • Absorbent Materials