

Meltblown Nonwoven Fabric Production Line

This meltblown fabric production line is engineered for manufacturing nonwoven fabrics used in filtration and insulation. The system includes a screw extruder, meltblowing die head, and collection system, with precise controls for adjusting parameters to achieve desired fabric properties.



ADDITIONAL IMAGES



Overview

High-Efficiency Meltblown Production

This meltblown nonwoven fabric production line is engineered for the stable and efficient manufacturing of ultra-fine fiber materials, including PP and PET. The system features a precise screw extrusion process combined with high-speed air stretching to create fabrics that are non-toxic, odorless, and possess excellent air permeability. Designed for reliability, the line ensures consistent fiber strength and high output, making it an ideal solution for producing high-quality nonwoven materials for medical, hygiene, and technical applications.

Production Process

Production Flow

- Screw Extruder
- Filter
- Metering Pump
- Heating System
- Melt Blown Box
- Web Forming Machine
- Winding

Applications

Specific Use Cases

Category	Examples
Medical	Surgical masks, surgical curtains, disposable clothing
Hygiene	Baby diapers, adult incontinence pads, sanitary napkins
Technical	Civil engineering, construction, automotive, agricultural
Packaging	Shopping bags, rice bags, tea bags

Primary Applications

Hygienic Materials, Medical Supplies, Technical Engineering, Packaging, Household Items, Protective Clothing

System Features

Compatible Materials

PP • PET

Key Performance Benefits

- High output and efficiency
- Even and strong fabric strength
- Good air permeability
- Non-toxic and odorless properties
- Meets environmental standards

Core Components

1 unit

Screw Extruder

1 unit

Meltblowing Die

1 unit

Web Forming Section