

PP Meltblown Nonwoven Fabric Production Line

This PP meltblown nonwoven fabric production line creates high-quality nonwoven fabric. It boasts a capacity of 1500kg per day and is suitable for producing materials for medical masks, filters, and hygiene products.



ADDITIONAL IMAGES



Overview



The AF-1600mm production line provides a complete solution from raw material extrusion to finished rolls.

High-Capacity Meltblown Production

The AF-1600mm is a high-performance production line designed for the continuous manufacturing of polypropylene meltblown non-woven fabrics. This automated system transforms PP chips into high-quality filter media through a precise extrusion and spinning process, delivering a daily output of 1500kg. Engineered for reliability and ease of use, the line features PLC touch-screen controls and a well-structured design suitable for large-scale industrial applications.

Key Performance Metrics

Performance Highlights

1500 kg/day

Daily Capacity

1600 mm

Standard Width

380 V

Operating Voltage

Technical Specifications

Embossing Type

Diamond

Raw Material

Polypropylene (PP) chips MFI 1200-1500

Fabric Weight Range

10g/sm - 200g/sm

Adjustable Fabric Width

1.6m to 3.2m

Machine Power Consumption

600kw ~ 1200kw

Color Versatility

Capable of producing over 30 kinds of colors

Production Features

System Features

- Highly automated production line
- PLC controlled with touch-screen interface
- High-performance control elements from well-known makes
- Customizable main frame and auxiliary equipment configuration
- Integrated edge material recycling

Production Process

Production Workflow

- Melt Extrusion
- Filter Metering
- Meltblow Device Processing
- Web Forming
- Winding and Slitting
- Finished Product Packaging

Applications



Meltblown fabric produced by this line is ideal for high-quality medical and protective face masks.

Application Fields

Medical Masks, Garment Insulation, Car Covers, Oil Absorbent Felt, Baby Diapers, Gas Filters, Disposable Products