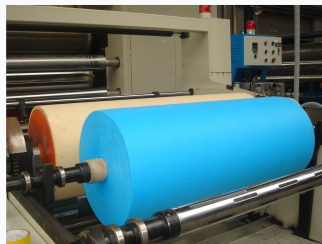


SMS Nonwoven Fabric Production Line (1600-3200mm)

This SMS nonwoven fabric production line is designed for creating high-quality, multi-layer nonwoven fabrics. It integrates spunbond and meltblown technologies to produce materials suitable for medical, hygiene, and industrial applications.



ADDITIONAL IMAGES



Overview



A complete SMS production line showing the integration of spunbond and meltblown units for composite fabric manufacturing.

High-Performance SMS Nonwoven Production

The AF series SMS production line is a highly automated solution designed for the efficient manufacturing of Spunbond-Meltblown-Spunbond composite fabrics. Available in widths of 1600mm, 2400mm, and 3200mm, this system integrates advanced extrusion and bonding technologies to produce multi-layered materials with superior barrier properties and strength. It is an ideal choice for B2B buyers requiring consistent, high-throughput production for medical, hygiene, and industrial textiles.

Key Performance Metrics

Key Capabilities

3200 mm

Max Effective Width

3300 T

Max Annual Output

200 gsm

Max Fabric Weight

Technical Specifications

Model Performance Comparison

Type	Width (mm)	GSM Range	Annual Output
S	1600	8-200	1500T
S	2400	8-200	2400T
S	3200	8-200	3000T
SS	1600	10-200	2500T
SS	2400	10-200	3300T

Raw Material

PP chips (Polypropylene)

Available Embossing Patterns

Diamond, Oval, Cross, Line

System Features



Detailed view of the multi-layer extrusion system and calendaring units designed for precise web formation.

Automation Level

Highly Automated • PLC Controlled • Touch-Screen Operation

Core Advantages

- Well-structured design for easy operation
- High-performance control elements from reliable technologies
- Customizable main frame and auxiliary equipment configurations
- Integrated edge material recycling system
- Energy-efficient high-throughput design

Production Process



The final stage of the production line featuring automated winding and slitting for finished nonwoven rolls.

Operational Workflow

- Raw Material & Edge Recycling
- Extrusion & Filtration
- Metering Pump & Spinning Box
- Cooling Air Drawing (Up & Down Stretching)
- Web Formation
- Calendaring (Bonding)
- Winding & Slitting

Application Fields

Medical & Health	Operation suits, Patient suits, Respirators, Sanitary napkins, Baby diapers
Industrial & Travel	Protective clothing, Car covers, Dust covers, Filter materials, Shopping bags