

SMMS Nonwoven Fabric Production Line

This production line utilizes spunbond and meltblown technology to create multi-layered nonwoven fabrics with excellent barrier properties. It is designed for producing materials used in surgical gowns, drapes, masks, and sterilization wraps.



ADDITIONAL IMAGES



Overview



High-Performance SMMS Production Technology

This advanced production line is engineered to manufacture high-quality SMMS (Spunbond-Meltblown-Meltblown-Spunbond) multi-layered nonwoven fabrics, specifically optimized for medical and protective applications. The system integrates automated material feeding, precision web formation, and efficient bonding to ensure consistent fabric quality with excellent barrier properties, tensile strength, and softness. Designed for continuous operation and high throughput, this line offers professional buyers a reliable solution for producing surgical cloths, drapes, and other critical hygiene products.

Technical Capabilities



Available Models & Widths

Model Series	Effective Width	GSM Range	Annual Output
S-1600	1600mm	8-200	1500T
S-2400	2400mm	8-200	2400T
S-3200	3200mm	8-200	3000T
SS-1600	1600mm	10-200	2500T
SS-2400	2400mm	10-200	3300T

Raw Material

PP chips (Polypropylene)

Embossing Patterns

Diamond, Oval, Cross, Line

System Features



Automation Level

Highly Automated • PLC Controlled • Touch-Screen Operation

Operational Advantages

- Well-structured and easy to operate
- High performance and reliable control technologies
- Customizable main frame and auxiliary equipment configuration
- Automated material recycling (Edge Material)
- Precise temperature regulation and material handling

Applications

Medical & Health Applications

- Surgical gowns and operation suits
- Operation tablecloths and drapes
- Patient and exposure suits
- Respirators and masks
- Sterilization wraps and packing bags

Industrial & Consumer Applications

- Labor Safety: Protective clothing, car/motor covers, dust covers, raincoats
- Cleaning Goods: Baby diapers, adult incontinence pads, sanitary napkins
- Traveling Goods: Beach umbrellas, beach suits, recovery bags
- Packaging: Shopping bags and general packing materials

Workflow



Production Workflow

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