

PP Spunbond Nonwoven Fabric Production Line

This nonwoven extrusion production line is designed for manufacturing polypropylene (PP) spunbond nonwoven fabrics. The effective product width ranges from 1600mm to 3200mm, and fabric thickness is adjustable during production.



ADDITIONAL IMAGES



Overview

High-Performance Spunbond Production Line

This PP Spunbond Nonwoven Fabric Production Line is designed for high-volume manufacturing of polypropylene nonwoven fabrics. It integrates advanced extrusion, filature, and thermal bonding technologies to ensure consistent fabric quality and uniform fiber distribution. Engineered for efficiency, the system supports a daily capacity of up to 13 tons, making it an ideal solution for hygiene, medical, and industrial textile production.

Performance Metrics

Daily Capacity

13 tons/day

Max Capacity

Linear Speed

150 m/min

Technical Specifications

| | |
|------------------------|-------------|
| Processed Material | PP Pellets |
| Finished Product Width | 4200 mm |
| Product Weight Range | 15-220 GSM |
| Fiber Range | 1.5-2.5 Dan |
| Max Roller Diameter | 1000 mm |

Production Process

Process Workflow

- Feeding
- Extrusion Melting
- Pre-filtration
- Filature
- Cooling
- Stretching
- Net Spreading
- Thermal Bonding
- Cutting
- Storage of Finished Goods

Applications

Typical Applications

Hygiene Products, Medical Textiles, Agricultural Covers, Packaging Materials, Geotextiles