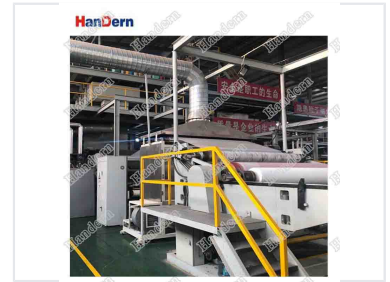


Meltblown Non-Woven Fabric Production Line

This production line utilizes hot air to spray molten polypropylene through fine spinneret nozzles, creating fibrous extensions. These fibers are then collected on a conveyor belt, forming a self-bonded non-woven web.



Overview

Meltblown Non-Woven Fabric Production Line

This production line utilizes high-speed hot air extrusion to transform polypropylene into high-quality non-woven filter fabrics. The system is engineered for stability, high yield, and efficiency, producing fabrics with uniform thickness, strong tensile strength, and excellent air permeability. It is a versatile solution suitable for manufacturing materials for medical masks, industrial filtration, construction, and agricultural applications.

Technical Specifications

Machine Model Performance

Model	Width	Weight Range	Capacity
600	600mm	16-200gsm	0.6-0.75T
800	800mm	16-200gsm	0.8-1T
1600	1600mm	16-200gsm	1.6-2T
2400	2400mm	16-200gsm	2.5-3T

Max Linear Speed

50 m/min

Production Process

Operational Sequence

- PP raw material feeding
- Melt extrusion
- Filtration
- Metering
- Air heating and compression
- Melt blowing
- Molding
- Static electricity treatment
- Winding

Features

Fabric Characteristics

Non-toxic, Odorless, High Strength, Good Air Permeability

Target Applications

Medical Masks, Industrial Filtration, Construction, Agriculture, Disposable Hotel Supplies