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NON-WOVEN PRODUCTION

SOLUTION SUPPLIER



YP-SS



NON-WOVEN PRODUCTION

Non-woven products have a unique manufacturing process as they blend and bond fibers rather than weaving them. The following are some of the key characteristics and common products made from non-woven materials:

CHARACTERISTICS

- 01 Lightweight**
Non-woven fabrics are generally lighter than woven fabrics.
- 02 Breathable**
Many non-woven materials allow air and moisture to pass through.
- 03 Waterproof**
Certain types can be made waterproof, ideal for medical and outdoor applications.
- 04 Durable:**
They can be strong and tear and wear resistant.
- 05 Economical**
Usually less expensive to manufacture than woven fabrics, making them an affordable choice for disposable items.
- 06 Biodegradable Options**
Some non-woven materials are made from natural fibers and are eco-friendly.

PRODUCTS MADE FROM NON-WOVEN MATERIALS:

- Disposable surgical gowns
- Isolation gowns
- Surgical drapes
- Face masks
- Bed sheets and covers
- Hygiene Products:
- Diapers
- Feminine hygiene products
- Adult incontinence products
- Home Textiles:
- Table covers
- Cleaning cloths
- Trash bags
- Industrial Applications:
- Geotextiles for soil stabilization
- Automotive interior parts
- Insulation materials
- Personal Care:
- Wipes (wet wipes, cleaning wipes)
- Facial masks

PACKAGING

NON-WOVEN BAGS & SHOPPING TOTES

These products make the best use of non-woven materials for particular uses. Convenience, safety, and performance have been emphasized in their usage.



YP-SS HIGH-SPEED NON-WOVEN PRODUCTION LINE

The YP-SS High-Speed Non-Woven Production Line is a high-tech manufacturing system that produces non-woven fabrics with excellent quality efficiently and reliably. The line has a robust design, making it versatile for many applications in the industrial sector, including textiles, eco-friendly bags, and medical supplies. It's an asset for businesses requiring high performance and productivity with its high-speed feature and flexibility.

DETAILED SPECIFICATIONS

01 Model

YP-SS: High-performance non-woven production line.

02 Machine Performance

Speed: Functions at a maximum rate of 30 meters per minute for quick cycle times.



PRODUCT SPECIFICATIONS

01 Gram Weight Range

Process fabric in the weight of 9 to 250 g/m².

02 Product Width

Facilitate up to a maximum width for fabrics: 1,600 mm, 2,400 mm and 3,200 mm to optimize usage of available space.

EQUIPMENT DIMENSIONS:

Length Options: in configurations such as:

- 31 x 13 x 11 meters
- 32 x 14 x 11 meters
- 32 x 15 x 11 meters

PRODUCTION CAPACITY

DAILY YIELD:

- 18–19 Tons/Day for standard production.
- 9–10 Tons/Day for lower weight fabrics.
- Product According to 8GSM
- 13–14 Tons/Day for medium-density fabrics. (Based on 40 g/m² density)

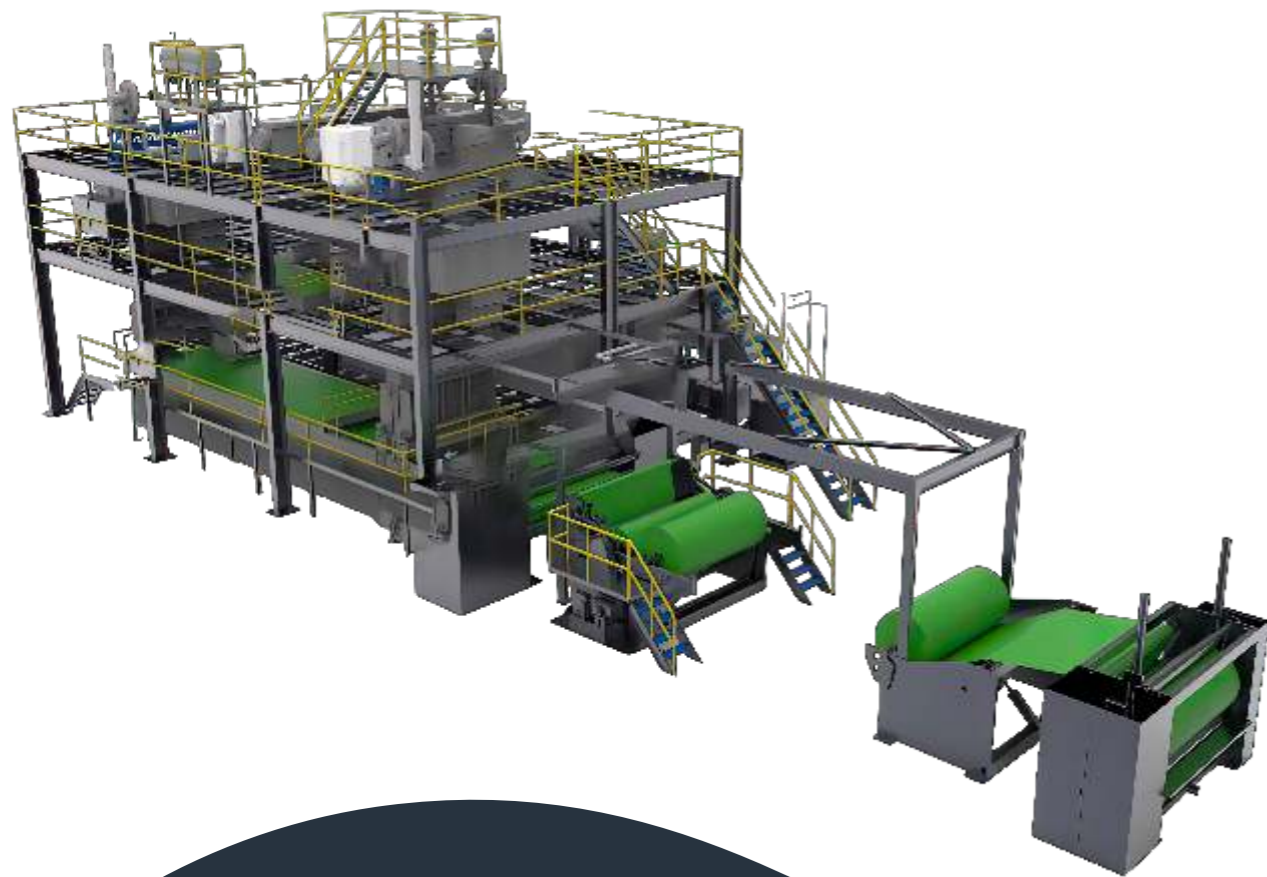
ROBUST DESIGN

The equipment is designed to be durable and consistent in performance, allowing for long-term operations with minimal maintenance.



Equipment Sepicfication and Details (1.6m SS PP Spunbonded nonwoven Production Line)

1. Product Introduction and Description



SS 1.6m Non Woven Fabric Machine

SS: spunbond non-woven fabric = 2 layers fiber thermal bonding;

- Product meaning: Non woven fabric machine is a kind of machine that produces non-woven fabrics.
- Purpose of products produced: The end product can be used in various industries you need, packing, industrial, medical and agriculture, such as shopping bags, garment lining tea bags.
- Product advantages: stable, large output and energy saving.

2. Technical Parameter

- **Product characteristic:**

- 2-1 Product: PP spunbonded nonwovens
- 2-2 Product width: 1600mm (final nonwoven product)
- 2-3 Product gram 9-120 g/m²
- 2-4 Filament titer: 1.8-2.6 Denier
- 2-5 Production capacity: 9-10T/Day (Based on fabric ≥ 40g/m²)
- 2-6 Production speed: 250m/min Machine speed: 300m/min

- **Raw material specification**

- | | |
|-----------------------------------|-------|
| 1. Melting index (g/ 10min) | 35-40 |
| 2. Melting point (°C) | 165 |
| 3. Molecule uniformity degree (%) | >95 |
| 4. Gray proportion (PPM) | <200 |

- **Utilities**

- 1. Electricity: Electricity: 800 kW for full line, working power: 280 kW
- 2. Power requirement : AC 380V ±5% 50Hz or customize
- 3. Machine Size: 31*13*11m

A. Production Details for Reference Only:

1. From Raw Material To Nonwoven Fabric:



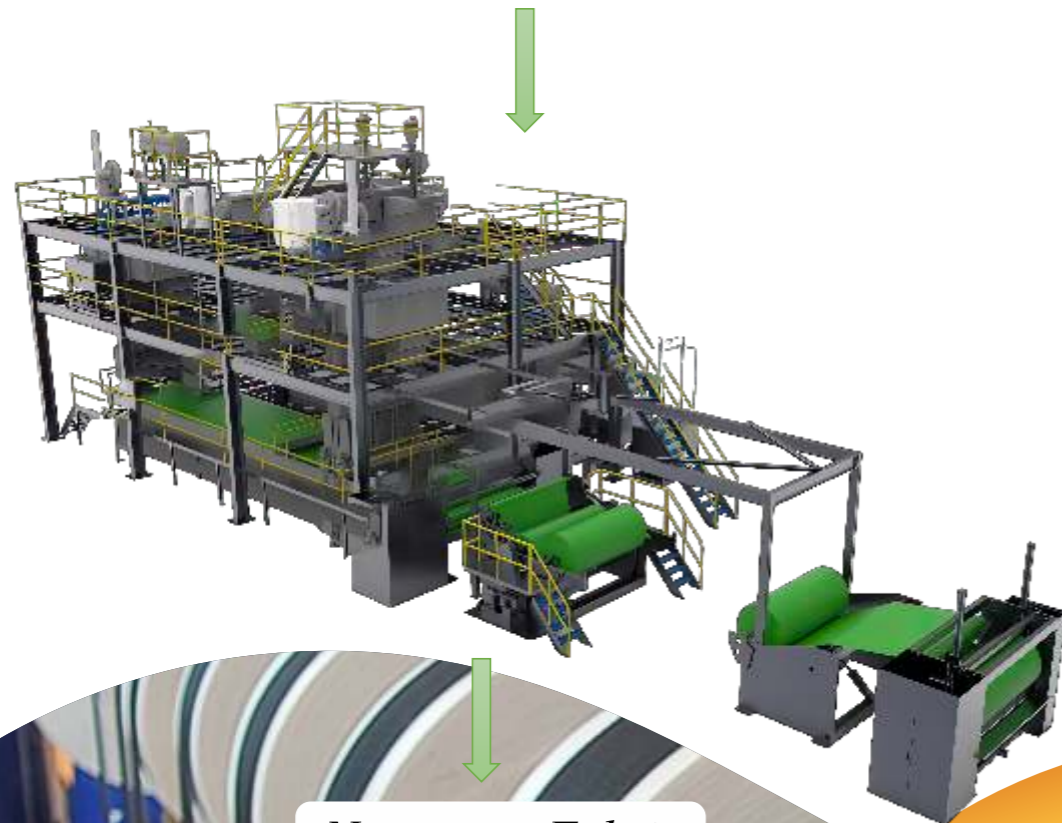
PP raw material



Filler



Color Master Batch



Nonwoven Fabric

C. FAQ of YP-SS 1.6M Production Line:

Product Gram	9-120gsm
Max MC Speed	300m/min
Max Production Speed	250m/min
Output	9-10T/Day
Machine Size	31×13×11m
Filament Titer	1.8-2.6 Denier
Labors Required Per Sheet	3 Operators+1 Senior+1 Supervisor
Spunbond Grade	MFI 25-40
Electricity Consumption	280kW·h
Voltage	380V 50Hz or custom
Adding Ratio for Filler	We suggest 20-30% is okay

APPLICATIONS

The YP-SS production line will meet a broad range of applications:

Textiles: Manufacturing rolls of high-quality non-woven fabrics for industrial and consumer use.

Durable, reusable non-woven bags, such as the D-cut, U-cut and box styles to produce are ideal for shopping, promotional, and packaging purposes. Medical Supplies: The variety of disposable products includes a line of surgical masks, caps, gowns, as well as other hygiene and medical use products. Key Benefits Highly Flexible Production Speed: With maximum producing speed at 30m/min, the YP-SS is highly output-oriented to meet the growing demand of high-speed requirements. Versatile Performance

It can handle a wide range of gram weights and adjustable widths, making it suitable for various product types and industry needs.

HIGH PRODUCTIVITY:

This machine can produce up to 19 tons daily, offering impressive throughput while maintaining high-quality standards

CUSTOMIZABLE CONFIGURATIONS:

Flexible size and setup options allow for integration into different production facilities and tailored applications.

HIGH-SPEED NON-WOVEN PRODUCTION LINE YP-SS

WHY CHOOSE YP-SS-16mm

The YP-SS High-Speed Non-Woven Production Line is advanced technology combined with precision engineering in achieving its results. Its adaptability towards different production requirements while not compromising on quality makes this production line a good investment in the non-woven business.

For more information or technical support, please don't hesitate to contact us regarding custom-

