



HUBEI GUICHANG MECHANICAL EQUIPMENT TECHNOLOGY CO., LTD

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贵昌机械设备
GUICHANG MACHINERY



□ Spunbond non-woven production line of SMS



□ SS Non-woven Production Line



□ SSMSS production line of melt-spun non-woven fabrics

Parameters of 3.2 m SSMSS

Maximum speed: 650m/min

Max output: 12000T/a

Weight scope: 8-80gsm

Spunbond fiber fineness: ≤ 1.8 Denier

Meltblown fiber fineness: 2-5 μ m

Weight coefficient of variation CV(%): $\leq 3\%$

Elongation at break (%): $\leq 75\%$



1. Feeding system

The power source is vacuum pump, and the transmission pipeline is stainless steel pipe or steel pipe. The control system is controlled by programmable HM. High precision, easy operation and smooth feeding.

2. Extruder

The screw and screw barrel are made of high strength nitriding steel with high temperature resistance and high strength. It is driven by Siemens variable frequency motor. The raw material can be melted and extruded.

3. Filter

Screen changer or candle filter can be used. High filtration precision.

4. Spin pump

Each spin pump is driven by a synchronous motor, which drives the gearbox and drives the metering pump through the transmission shaft. The speed of metering pump can be adjusted continuously from 0 to 35 rpm.

5. Spinning box

Each spinning box can distribute the melt symmetrically and equivalently. The melt pipeline adopts compound sleeve and heating by heat transfer oil.

□ APPLICATIONS

SPUNBOND FABRIC—HIGH STRENGTH

Nonwoven technical products

- **Geotextiles:** Erosion protection, filtration, reinforcement, drainage, separation layers, embankment fortification etc. for streets, dikes, and farms
- **Structural engineering:** Bitumen supports, roof insulation sheeting, diaphragms
- **Agriculture:** Crop forcing nonwovens, insect protection, etc.
- **Automotive:** Inner paneling, sound insulation, insulation, etc.

Nonwoven hygiene products

- **Baby and adult diapers:** Top sheets, back sheets, ears, tapes, landing zone
- **Female hygiene:** Top sheets, wings
- **Cleaning wipes:** Baby care, cosmetics, etc.

Nonwoven furniture products

- **Beds:** Pocket springs, mattresses, cushions, bed covers, disposal bedding
- **Seating:** Upholstered backs, sub-paneling, intermediate layers, etc.



Nonwoven packaging products

- Shopping bags
- Rice packaging
- Tea bags
- Clothes packaging

Nonwoven medical products

- Surgeon's masks
- Disposable garments
- Surgical drapes
- Shoe covers



SPUNMELT FABRIC—HIGH STRENGTH&BARRIER EFFECT

Nonwoven hygiene products

- Baby and adult diapers

Nonwoven medical products

- Surgeon's masks
- Surgical drapes

Work protection products

- Protective clothing
- Breathing masks

Combinations with other nonwovens

- Paper composites



□ Spunbond non-woven production line of single-s



□ Solution of spinning melt composite nonwovens production line

SSS Spunbond Line Three-Beam

Opt.GSM 8-100g/sq.m

Max.speed 600m/min.

Eft.width Capacity

2400mm 6800T/a

3200mm 9000T/a

4200mm 12000T/a

The line could be customized as your needs.



□ Solution of spinning melt composite nonwovens production line

SSMMS Spunbond Line Five-Beam

Opt.GSM 8-80g/sq.m

Max.speed 650m/min.

Eft.width Capacity

2400mm 9000T/a

3200mm 12000T/a

4200mm 16000T/a

The line could be customized as your needs.



SS Spunbond Line Double-Beam

Opt.GSM 8-150g/sq.m

Max.speed 450m/min.

Eft.width Capacity

1600mm 3000T/a

2400mm 4500T/a

3200mm 6000T/a

4200mm 8000T/a

The line could be customized as your needs.



SMMS Spunbond Line Four-Beam

Opt.GSM 8-80g/sq.m

Max.speed 550m/min.

Eft.width Capacity

2400mm 6800T/a

3200mm 9000T/a

4200mm 12000T/a

The line could be customized as your needs.



S Spunbond Line Single-Beam

Opt.GSM 10-180g/sq.m

Max.speed 200m/min.

Eft.width Capacity

1600mm 1500T/a

2400mm 2300T/a

3200mm 3000T/a

4200mm 4000T/a

The line could be customized as your needs.



SMS Spunbond Line Two-Beam

Opt.GSM 8-80g/sq.m

Max.speed 500m/min.

Eft.width Capacity

2400mm 5700T/a

3200mm 7500T/a

4200mm 10000T/a

The line could be customized as your needs.



□ Spunbond non-woven production line of single-s





□ Brief Introduction Of Company

Hubei Guichang Machinery Equipment Technology Co., Ltd engage in manufacturing nonwoven machines, nonwoven products, Spunbond, SMS nonwovens, combining its research, development, production and sales, and has passed China Compulsory Certification. (Quality management system certification, quantitative inspection system certification and standardization system certification)

Environment-friendly series: The environment-friendly food bags, medical bags, shopping bags, general used bags, garment bags(cover), protective enclosures and all types of advertising gift bags which take the fabric from our own delicate self-designed and SMS composite spunbond nonwoven as the main material. Simple and practical, diverse styles, rich colors, clear patterns, neat work. We can make specially according to customer's sample.