

neXline aXcess production lines

Your entrance key to the nonwoven market

Closer to the Asian market

neXline aXcess range

ANDRITZ (Wuxi) Nonwoven Technology Co., Ltd. is located in Wuxi New District, Jiangsu, China. Our 8,500 m² site hosts manufacturing, service, and R&D for the nonwovens industry. We focus on design, manufacture, installation, and start-up of neXline aXcess non-woven production lines.

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▲ ANDRITZ (Wuxi) Nonwoven Technology, China

Global network, local presence

As a member of international technology group ANDRITZ, we can fall back on a strong global network and are closely linked to our nonwoven entities ANDRITZ Asselin-Thibeau, ANDRITZ Küsters, and ANDRITZ Perfojet in Europe and ANDRITZ Küsters in the USA. A constant exchange in technology and expertise ensures that you receive full and effective support.

Full-line supply

ANDRITZ Wuxi is well-known as supplier of state-of-the-art machines, like opening and blending equipment, cards, cross-lappers, drafters, and needlelooms, as well as hydroentanglement units. We are also well prepared meeting the needs of the Asian market as full-line supplier.

Our portfolio provides lines for both needle-punch and spunlace processes to enter the nonwoven market: neXline needlepunch aXcess and neXline spunlace aXcess. These complete lines and individual components are manufactured and preassembled locally before delivery. Our full-line supply also ensures life-cycle support, reliable service, and a technical center.

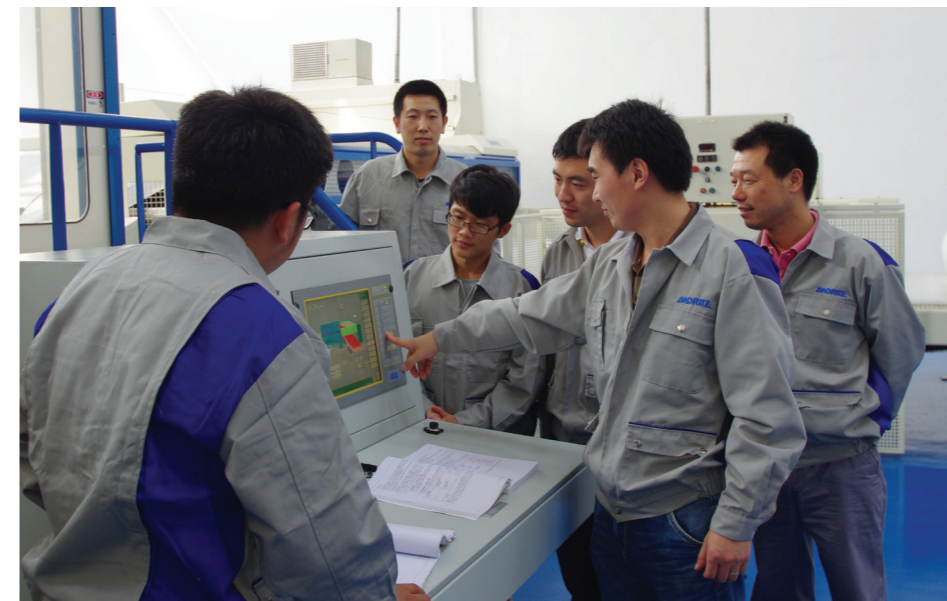
Efficiency and reliability

Highest reliability on all our production lines results in lower operating cost and increased annual productivity. Manufacturing in China enables us to provide competitive pricing. As our lines are fully automated and perfectly synchronized, we can offer best product quality and safer operation. Excellent performance is assured with a minimum of manual intervention.

Spot-on service solutions

Perfectly suited to your needs

Our experts are highly skilled process engineers. With state-of-the-art installations, they are available as partners for your product development and service needs. Evaluation of new process settings and definition of parameters for product guarantees are also offered at our facility.



▲ ANDRITZ Wuxi service technicians

Roll technology — original spare rolls and roll repairs

Roll technology has been our core competence for decades. Our comprehensive knowledge assists you in selecting the right spare and replacement rolls.

Our service center can further provide first-class service for all rolls operating in nonwoven, textile and paper processes. Our highly skilled technicians and modern grinding equipment as well as our test stand enable us to provide prompt and first-class service.

Here, all types of rolls can be repaired, reconditioned, and upgraded. Our experienced technicians ensure the right option to suit your particular needs.

Spare parts — original and genuine

Original ANDRITZ spare and wear parts guarantee long life and high productivity. Keep your nonwovens equipment at peak performance by using only genuine ANDRITZ parts. We conduct mechanical and functional tests on all key components before shipment to ensure top performance.

Upgrades and modernizations — enhanced ROI

With the increasing demands on modern production processes, our innovative technologies optimize your processes and add value. In-depth technical expertise ensure spot-on upgrades and modernization solutions for nonwoven lines and systems.



Retrofits and small upgrades are a valuable option to extend the lifetime of your existing line for innovative, higher-margin nonwoven fabrics.

On-site support

Our experts provide top-class know-how and continuous R&D. Services range from erection and installation, inspections and online diagnosis, maintenance and retrofits, right down to training of operating personnel.

Benefits

- Expertise in basic trials, product development, and pre-production settings
- Integrated laboratory to test nonwoven fabrics
- State-of-the-art technical center

neXline spunlace aXcess

Direct web forming for commodity products

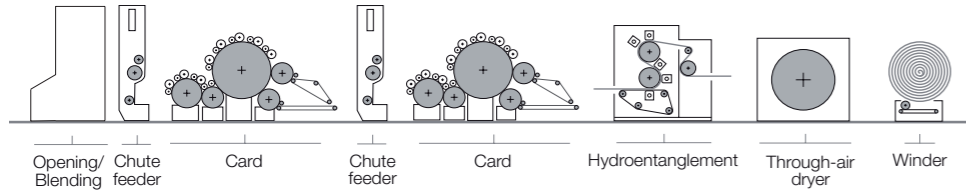
The neXline spunlace aXcess production line enables traditional textile producers to enter also the nonwoven market in capacity range up to 12,000 t/a. Our proven concept encompasses opening and blending equipment, carding systems, hydroentanglement units, and through-air dryers especially designed to produce lightweight fabrics at low operating costs.

A proven process for growing markets

The neXline spunlace aXcess has been specially designed for growing markets. Thanks to the combination of the robust CA21 cards and the innovative Jetlace

Avantage hydroentanglement system, we can now provide a new process for capacities up to 5,500 t/a. It has been the preferred choice for spunlace producers

since 2005 and is acknowledged as the perfect solution for newcomers producing lightweight spunlace fabrics.

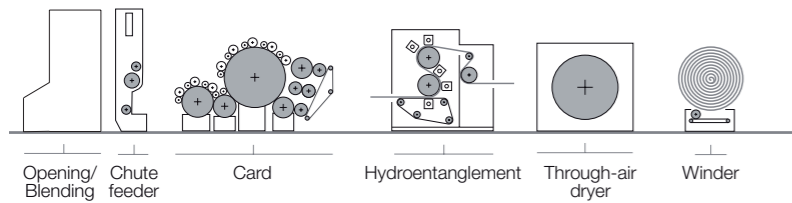


New standard for lightweight fabrics

We set a new milestone in the spunlace industry with the newly configured neXline spunlace aXcess for lightweight fabrics. This complete line is equipped with only one

VarioWeb in-line card with three doffers in combination with the well-known Jetlace Avantage hydroentanglement unit and the neXdry Avantage dryer. Manufacturers can

now produce state-of-the-art spunlace fabrics with perfect web uniformity.



Benefits

- Full process guarantee
- Team of process experts
- Proven concept

Features

- Low operating costs
- Compact design
- Patterning and aperture capability

Crosslapped web forming for durable products

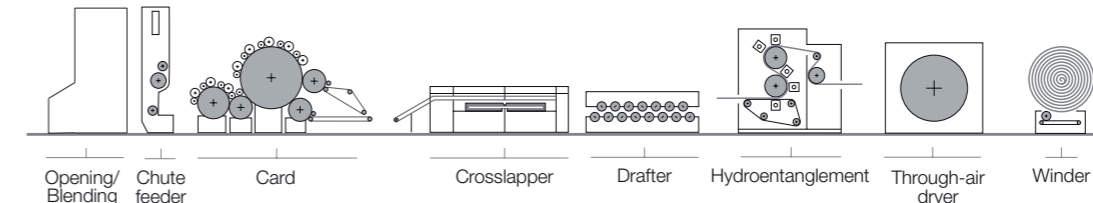
Expert in technical applications

The neXline spunlace aXcess including our Jetlace Avantage hydroentanglement unit with card and crosslapper is especially designed for the production of nonwovens with various mechanical properties, like a balanced MD:CD (machine direction, cross direction)

ratio, which is demanded by automotive and filtration applications. The Jetlace Avantage hydroentanglement unit ensures efficiency over a wide range for both high capacity and bonding power. This solution is ideally suited for integration after carding and crosslapping.

Benefits

- Balanced MD:CD ratio
- Perfectly designed for technical applications
- High production line efficiency



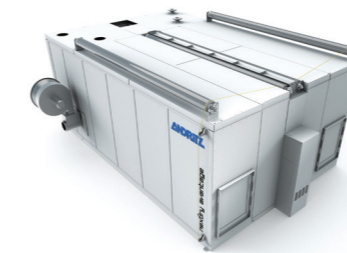
neXdry Avantage through-air dryer - designed for neXline spunlace aXcess

We have launched our latest generation of through-air dryers to meet the demands of spunlace producers. This compact dryer, which can be perfectly integrated into the neXline spunlace aXcess,

offers two types of heaters: gas burner or oil heat exchangers. The proven rope introduction system allows easy web feeding into the neXdry Avantage through-air dryer.

Benefits

- Compact design
- Standard roll diameter: 1.6 m
- Quick assembly
- High energy efficiency
- Quick and easy maintenance
- Capacity: up to 1,000 kg/h of water



	Fabrics gsm	Line speed m/min	Working width m	Capacity t/a	End use
Direct web forming					
2 CA21 cards, 2 doffers, Jetlace Avantage	30-120	120	2.5 3.6	3,500 5,500	Wipes, medical
1 VarioWeb card, 3 doffers, Jetlace Avantage	30-120	170	2.5 3.6	4,500 7,000	Wipes, medical
2 VarioWeb cards, 2 doffers, Jetlace Avantage	30-120	200	2.5 3.6	8,000 12,000	Wipes, medical
Crosslapped web forming					
1 card, crosslapper, drafter, Jetlace Avantage	30-150	≥ 75	2.5 3.6	3,000 5,000	Industrial, filtration, coating substrates

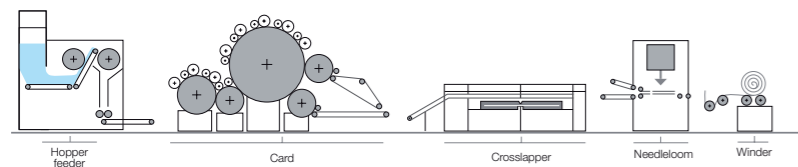
neXline needlepunch aXcess

Needlepunch solution for durable products

The neXline needlepunch aXcess nonwoven production line is perfectly suited to enter the nonwoven market in capacity range up to 4,500 t/a. Be it applications like filtration, automotive, geotextiles or synthetic leather this line configuration fits ideally to your production needs.

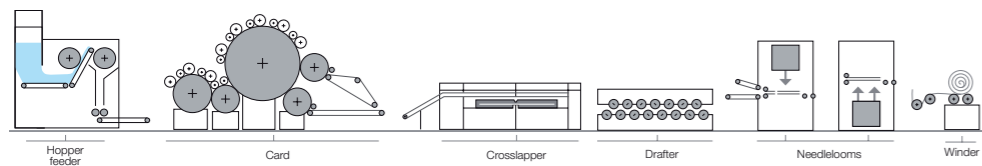
Basic installation

This configuration secures a lower investment while maintaining excellent performance and high quality. The result is a compact installation offering various possibilities. Perfectly suited to your needs.



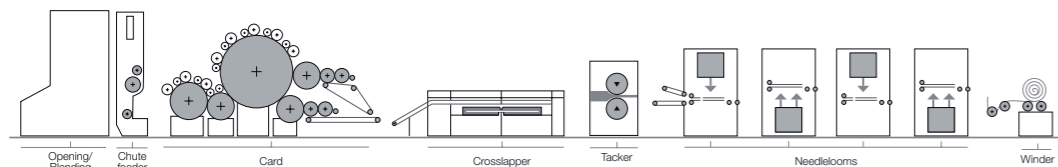
Geotextiles

Geotextile fabrics are characterized by strong physical properties, like strength or durability. This can be achieved with our neXline needlepunch aXcess, which effectively combine drafters and needlelooms. This results in unique bonding, which provides the physical properties required. Our excellent technologies and long experience guarantee a wide range of opportunities.



Synthetic leather and coating substrates

Quality is a top priority in these products. We customize solutions to suit your needs perfectly. Needling density and multiple configurations of alternate needling allow a wide range of possibilities to ensure high quality, for example fabric density.



Benefits

- Expert in needlepunch lines
- One source
- Product guarantee

Features

- High uptimes
- Low operating costs
- Easy maintenance

Fabrics gsm	Working width m	Capacity t/a	End use
150-800	2-4	3,000	Automotive, filtration
90-800	4-6	2,000 to 4,500	Geotextile
120-250	3.2	700 to 950	Synthetic leather, coating substrate

Technical center

Dedicated to support you

We offer evaluation of new process settings and definition of parameters for product guarantees, as well as an exclusive service for conducting trials on a state-of-the-art neXline needlepunch aXcess nonwoven production line specially developed to suit your needs.



▲ Technical center with an industrial-scale needlepunch line in Wuxi

The 2.5 m wide pilot line is configured with an opening and blending unit, our card, crosslapper, preneedler, and needleloom full speed. Take advantage of our engineering depth and process knowledge. We are your one-stop partner and resource. Feel free to contact us.

Technical data	Model	Line capacity and speed	Working width
Opening and blending unit	APC 1200/1500	300/375 kg/h	1.2/1.5 m
Card	R35PPLL CA21	90 m/min	2.5 m
Crosslapper	P325	90 m/min infeed	3.0 m
Needleloom	A30 SD2 60 mm	1000 rpm	2.6 m

neXline aXcess production lines

Global presence



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