neXline aXcess production lines
Your entrance key to the nonwoven market

www.andritz.com/nonwoven
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 nonwoven production lines.

Closer to the Asian market
neXline aXcess range

ANDRITZ (Wuxi) Nonwoven Technology, China

Our portfolio provides lines for both needlepunch 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.

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.

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.
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.

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

Features
- 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

<table>
<thead>
<tr>
<th>Fabrics gsm</th>
<th>Line speed m/min</th>
<th>Working width m</th>
<th>Capacity t/a</th>
<th>End use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direct web forming</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 CA21 cards, 2 doffers, Jetlace Avantage</td>
<td>30-120</td>
<td>120</td>
<td>2.5</td>
<td>3,500</td>
</tr>
<tr>
<td>1 VarioWeb card, 3 doffers, Jetlace Avantage</td>
<td>30-120</td>
<td>170</td>
<td>2.5</td>
<td>4,500</td>
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<tr>
<td>2 VarioWeb cards, 2 doffers, Jetlace Avantage</td>
<td>30-120</td>
<td>200</td>
<td>2.5</td>
<td>8,000</td>
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<tr>
<td>Crosslapped web forming</td>
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<td></td>
</tr>
<tr>
<td>1 card, crosslapper, drifter, Jetlace Avantage</td>
<td>30-150</td>
<td>≥ 75</td>
<td>3.6</td>
<td>3,000</td>
</tr>
</tbody>
</table>
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

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.

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

<table>
<thead>
<tr>
<th>Fabric</th>
<th>gsm</th>
<th>Width</th>
<th>Capacity</th>
<th>End use</th>
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</thead>
<tbody>
<tr>
<td>150-800</td>
<td></td>
<td>2-4</td>
<td>3,000</td>
<td>Automotive, filtration</td>
</tr>
<tr>
<td>90-800</td>
<td></td>
<td>4-6</td>
<td>2,000 to 4,500</td>
<td>Geotextile</td>
</tr>
<tr>
<td>120-250</td>
<td></td>
<td>3.2</td>
<td>700 to 950</td>
<td>Synthetic leather, coating substrate</td>
</tr>
</tbody>
</table>

Technical data

<table>
<thead>
<tr>
<th>Model</th>
<th>Line capacity and speed</th>
<th>Working width</th>
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<tbody>
<tr>
<td>APC 1200/1500</td>
<td>300/375 kg/h</td>
<td>1.2/1.5 m</td>
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<tr>
<td>RISPPL CA21</td>
<td>90 m/min</td>
<td>2.5 m</td>
</tr>
<tr>
<td>P325</td>
<td>90 m/min infeed</td>
<td>3.0 m</td>
</tr>
<tr>
<td>A30 SD2 60 mm</td>
<td>1000 rpm</td>
<td>2.6 m</td>
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Global presence