

ANDRITZ Nonwoven presents its latest solutions

International technology Group ANDRITZ will present its wide range of products and services in delivery of complete turnkey and individual solutions for wet-laid, spunlace, and needlepunch production as well as its newest technologies for the textile industry from June 16-20 at ITMA Asia 2014.

Expanded production capabilities and a new customer pilot line in China

With the new site in Wuxi, China, ANDRITZ Nonwoven has strengthened its nonwovens manufacturing capabilities and service range throughout Asia. The location has a technical center and hosts both an industrial scale needlepunch pilot line and a roll service center. The needlepunch pilot line includes a card, a crosslapper, a pre-needler, and the new A30 needleloom, and demonstrates full speed production capacities. The A30 needleloom completes the ANDRITZ aXcess range, which has been developed specially for medium-capacity production level at low operating costs, delivering reliable and competitive performance at a punching speed of up to 1,200 rpm. The pilot line offers nonwovens producers the opportunity to conduct trials with newly developed or modified products under production conditions before market launch.

Cost-efficient, flexible, and reliable turnkey needlepunch lines

Fibers are the major cost factor in nonwovens production, and all market applications require a low average fabric weight combined with consistent mechanical performance and weight uniformity. This is why ANDRITZ has integrated the ProDyn system into

needlepunch lines to achieve a significant reduction in fiber consumption and thus enabling a better ROI. The new line concept comprises the double eXcelle card with innovative feeding system, the dynamic crosslapper with integrated web control device, A50 needlelooms with versatile needle patterns, and a new range of Zeta drafters. The ProDyn technology creates constant interaction between the dynamic card and the dynamic crosslapper.

High flexibility and innovative concepts for technical textiles

The ANDRITZ calender concept for technical textiles ensures highest product quality and performance and meets international environmental protection requirements. The patented teXcal trike, a 3-roll calender with two separately controlled system rolls, provides outstanding productivity and flexibility. The teXmaster concept offers closed-loop operation for inline quality measurements on the product, for example air permeability measurements. Direct analysis of data obtained at the calender outlet is used to control the system rolls. This concept is also suitable for African damask finishing.

Finishing technologies for spunbond nonwovens with high quality standards

ANDRITZ also provides complete offline finishing solutions for medical applications. Spunbond nonwovens have to meet high quality criteria, with hydrophobic, alcohol-repellent, air-



The new ANDRITZ Nonwoven facility in Wuxi, China.

permeable, anti-static, and breathable properties. The ANDRITZ offline finishing technology includes unwinding, impregnating, dosing, drying, curing, and winding/slitting. In addition, the ANDRITZ SpunjetSoft technology creates a new generation of spunlaid nonwovens with superior fabric properties with regard to bulk, drape, tensile strength, and especially softness, as required in the hygiene sector.

A wide range of high-performance spunlace solutions

Whether end customers require durable or disposable products, ANDRITZ is the partner to supply complete turnkey spunlace lines from a single source. The neXline spunlace is a proven solution with highly efficient use of resources and is available over a wide range of capacity and product applications. For disposable products like wipes, the ANDRITZ neXline spunlace eXcelle combines the Isoweb TT card and JetlaceEssentiel. This concept is designed for lightweight products with low MD/CD ratio and for high-speed production. ANDRITZ offers a proven concept designed to produce lightweight fabrics at low operating costs. The neXline spunlace aXcess includes one Varioweb card with three doffers and the Jetlace Advantage hydroentanglement system, as well as the Perfodry Advantage dryer.

To learn more about the technologies and customized process solutions provided by ANDRITZ Nonwovens, meet the ANDRITZ experts from June 16-20 at ITMA Asia 2014, booth A07, hall W3. ♦



ANDRITZ neXline needlepunch with ProDyn system.