

DILO GROUP

ENGINEERING FOR NONWOVENS

PRESS RELEASE

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DiloGroup at SINCE 2017 Hall 1, booth R76

Starting in 1986, the Shanghai International Nonwovens Conference & Exhibition (SINCE) has become the largest and most important nonwovens exhibition in Asia.

This year, more than 450 exhibitors will present on a floor space exceeding 34 000 m² the complete industry value chain from nonwovens raw materials, production machines and accessories to the endproduct. The related industries covered include hygiene, filtration, fabrics and apparel, medical, automotive, wipes, home furnishings and upholstery.

DiloGroup from Eberbach, Germany, with its units DiloSystems, DiloMachines, DiloTemafa and DiloSpinnbau has traditionally taken part in this important exhibition since 1986.

As the leading group in the field of staple fibre nonwoven production lines DiloGroup will inform about complete lines presenting the latest developments in all components. Staple fibre production lines start with fibre preparation – opening and blending – from DiloTemafa, card feeding and cards from DiloSpinnbau and end with crosslappers and needlelooms from DiloMachines.

The quality of DiloGroup's four equipment components, opening and blending, carding, crosslapping and needling, is important to customers. A DILO line stands for highest productivity with best web quality. This goes hand in hand with a high efficiency as the mentioned four machine groups are controlled by a single drive and control technique and fulfill all requirements for modern crosslinking and smart production.

Individual lines are engineered, manufactured, delivered and put into operation by DiloGroup for the customer's specific purpose and benefit.

Service and spare parts supply to support the high availability of DILO nonwoven production lines is available worldwide. In addition to information about standard universal lines, we will inform about the latest developments in DILO machines which aim to increase efficiency, productivity and improve end product quality by the degree of automation.

An example of such an innovation is the "Vector 200", a new crosslapper by DiloMachines which is unique with an infeed speed of more than 200 m/min.



DILO's crosslapper Vector 200

DILO machines may be used for the production of nonwovens used in automotives, as floor coverings, synthetic leather, geotextiles and for filtration, just to name the most important fields of application.

A new special line configuration using an online scrim fabric machine for the reinforcement of multi-layered nonwovens has been developed for the production of filter media, geotextiles and roofing material. Information about this special configuration will be available.

Considerable progress has been achieved in the processability of special fibres like carbon using recycled fibres to make composite materials. Compact special lines for product research and development with recycled carbon fibres are available and can be discussed with interested visitors.



DILO Compact Line for Needling Carbon Fibres

A close cooperation with needle manufacturer Groz-Beckert has advanced the development of the needle module technique and the intense needling of light weight nonwovens. Ample information will be available at the booth.

Furthermore, DiloGroup will inform about universal needling technology and carding systems of wide working width and high web speed for water entanglement lines. For this important, special branch of nonwoven production normal lines have a working width of about 3.8 m and medium web speeds of around 200 m/min, DiloGroup's portfolio includes carding systems of wider working width and higher web speeds. DiloTemafa offers in close cooperation with DiloSpinnbau these special web formation systems with working widths exceeding 5 m and resultant web speeds of more than 400 m/min after water entanglement and drying.

Reduced draft between card doffing system and winding are essential to achieve a high web uniformity and an acceptable strength ratio in machine direction to cross direction (MD:CD). DiloSpinnbau sets the standard for high productivity with random roll technology and for best felt homogeneity by low draft. DiloGroup is very successful with these fibre preparation and carding systems in all nonwoven production lines with high productivity and quality requirements.

Further important features of these special installations are the fibre preparation from DiloTemafa, the air handling for card suction, filtration and moistening which result in high line efficiency.

At SINCE 2017 DiloGroup will explain the characteristics of DILO standard and special nonwoven production lines in discussions with international customers.

Visit us at SINCE 2017, Shanghai, Hall 1, booth R76 from November 8 - 10, 2017.