DiloGroup at ITM + Hightex 2018
Hall 9, booth 905A

International textile producers meet again in Istanbul, Turkey, from April 14 – 17, 2018 on the occasion of the ITM + Hightex Exhibition. The ITM + Hightex Exhibition in Istanbul is the most important exhibition in Turkey and the Middle East. Especially in Hall 9 (Hightex) the exhibitors will present 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 the first time in 2005.

DiloGroup enjoyed above-average order influx in all important markets for its machines and installations and had record turnovers in 2015 and 2016. Due to an increase of about 20 %, the overall turnover in 2016 has reached a total of around 110 million Euros. This shows DiloGroup's strong position in the international nonwovens machinery business. Also the lines sold to Hassan Group and to further well-known Turkish companies in 2017 show the high importance of the Turkish market for the entire DiloGroup.The increased turnover has been accompanied by the creation of numerous new jobs. Now the complete DiloGroup has about 450 employees. In addition, DiloGroup increased the assembly space by 3000 m², the new hall was dedicated by mid-2017.

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. The strong demand for DILO production lines is partly due to the high attraction of needled nonwovens themselves with a yearly increase in consumption of about 6 – 7 %.

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.

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

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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 and productivity by the degree of automation and improved end product quality.

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.

Numerous fields of application such as filter media, geotextiles, roofing material, floor coverings, other technical textiles and composites require needled nonwovens with high lowload resistance. This is generally achieved by using reinforcing meshs / grids. The DILO HyperTex installation with the “Turbotex” scrim fabric machine of Messrs. Ontec automation GmbH produces a reinforcing scrim which is fed between two needlefelts and then needled together by a Hyperpunch needleloom.
The mesh apertures of this scrim can be varied up to 20 x 20 mm, production speed is up to 40 m/min. The HyperTex installation in a working width of 2.5 m is ready for presentations and trials in DILO’s Textile Research Centre in Eberbach, Germany.

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HyperTex installation in DILO´s Textile Research Centre

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 carding 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 the 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 technique for card suction, filtration and moistening which result in high line efficiency.

At the ITM + Hightex 2018 DiloGroup will explain the characteristics of DILO standard and special nonwoven production lines in discussions with international customers.

Visit us at ITM + Hightex Istanbul, hall 9, booth 905A from April 14 – 17, 2018.

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