

Four Successful Days in Frankfurt

Following the Techtexsil show in Frankfurt DiloGroup reports a positive outcome

The leading international trade fairs Techtexsil and Texprocess started with positive numbers. From May 4 through May 7 2015 a total of 1662 exhibitors from 54 countries presented their companies on the fairground in Frankfurt. When visiting these leading exhibitions for technical textiles and nonwovens as well as for the processing of textile and flexible materials people are able to see new developments in the big fields of products, technologies and machines.

Techtextil and Texprocess offer worldwide the biggest variety of innovative materials and new processing technologies. The total textile value-added chain from fibres to logistics was present in Frankfurt. DiloGroup, the market leader, focused on these topics, too. Both fairs are a source of inspiration for trends during the next two years.



The variety of applications and products of technical textiles and nonwovens is shown in the eleven product groups and twelve areas of applications of Techtexsil. These include materials for construction, architecture and home textiles, sport and protection textiles, industrial textiles, medical textiles as well as textiles used in the automotive and aviation industries.

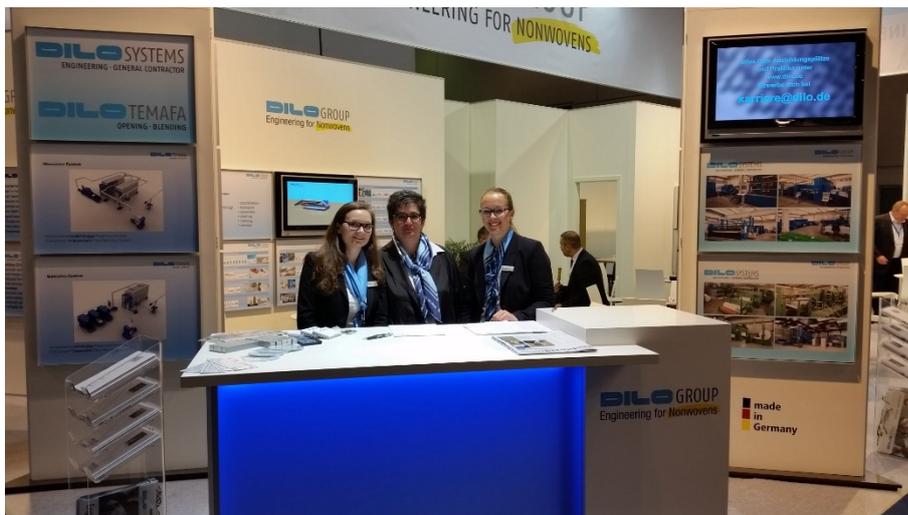
On the occasion of Techtexsil 2015 DiloGroup informed about the latest products, technologies and machines. Numerous visitors, customers and an increasing number of students and trainees took the opportunity to come to the booth. Customers from all over the world discussed projects and customized machine solutions with the Dilo experts.

We were especially pleased about an appropriate 10 % increase in visitors from South America and European countries compared to the last Techtexsil. We were able to welcome regular customers, to establish new contacts, and to set the conditions for possible further orders this year. Main focus of these projects is technical products which require a high degree of know-how.

The visit of a student delegation from the textile university in Casablanca, Morocco, showed that nonwoven technology is also interesting to young people. These students proudly presented the results of research work for the industry which they had produced using a laboratory line from Dilo.

“Technical textiles made from nonwovens are an immense growth market with ever new challenges. The production technologies develop with the user demands for sustainability, flexibility, precision and capacity,” Mr. Johann Philipp Dilo, CEO and owner, claimed.

Dilo focused its presentation on modern nonwovens lines for the production of filter media, geotextiles and special machines for tubular felts. One main driving force for needled filter fabrics is environmental protection. The demands on the fibres used, in terms of processability, mechanical and textile properties are steadily increasing.



DiloGroup offers highly efficient production lines from fibre opening to finished roll goods in all working widths. The card capacity which determines the efficiency of the whole line is between 300 and 550 kg per metre of working width depending on fibre type and fineness. Working widths can be more than 5500 mm.

Universal crosslappers of all types have been tuned to the process and work with modern apron technology, highly efficient drives, apron guiding and web guiding technology of the Dilo Webguide system to reach the highest web infeed speeds.

If high web regularity is required, web profile adjustment is realized with a CV1 system installed between card exit and crosslapper entry, controlled by a batt weight measurement system at the end of the line. Longitudinal and cross cutting as well as winding are carried out with subsequent machines. Sometimes an accumulator is used to ensure a continuous production without stop during roll change.

The production of geotextiles and nonwovens used in construction is similar, with wider working widths of the line, i. e. card, crosslapper and needle looms, depending on the final application.

DiloGroup informed about machine systems for these applications. The components for opening and blending -DON - and for card feeding - MultiFeed – are able to deliver exact webs to the universal card MultiCard even when low weights are processed and the working widths of the card increase.

Due to the required strength values and the homogeneity in longitudinal, cross and diagonal directions in the geotextile applications, DiloGroup offers drafting systems which can be used before or after preneedling. In Dilo lines the finish needling from both sides is done either in a double needleloom OUG or in two subsequent needlelooms with alternating needling directions. These needlelooms are delivered as universal or high capacity machines with a wide range of stroke frequencies, needle patterns and in working widths exceeding 8.000 mm where required.

Endless tubes and narrow belts are important technical applications for nonwoven fabrics. Dilo presented the new machine design PMA which allows single or double sided needling of tubular felts in a range of 2 to 8 m and a circumference up to 9 m. This machine offers new fields of application for example as transport aprons in the textile and food industries, high capacity felts in metallurgy and highly efficient handling techniques with endless needlefelt belts.

“The fair was a total success for our customers and for our company”, Mr. Dilo summed up and invited all to visit the DiloGroup booth at the forthcoming ITMA in Milan where he promised to introduce equipment innovations.