Technological and Strategic aspects will support Dilo Group as a Market Leader

Mr. Johann Philipp Dilo, CEO of DiloGroup.

1. Present Status of DiloGroup?

   DiloGroup as a leader in the field of complete nonwoven lines is having full order books since the 4th quarter of 2020. Currently, of course, supply chain problems occur which have to be responded to flexibly. The war in the Ukraine naturally impairs the current developments.

2. How is DiloGroup adding 4.0 in its product portfolio?

   DiloGroup has included a great number of 4.0 modules for improved control to the functions of the complete line and its components beginning with fibre preparation where additional measures of monitoring and automatic operations have been included. Also predictive maintenance is improved by monitoring sensors to various sensitive mechanical or electronical areas. All in all progress for further automation and ease of operation.

3. DiloGroup strategy in case of sustainability and innovation?

   Dilo's most important product in the portfolio is the needling line. Among the consolidation technologies for nonwovens, needling plays the most important role with regard to versatility and universal applications in many fields. The needlepunching technology is a very energy efficient method with a very low amount of kWh needed per kg mass of finished products. Furthermore from fibre preparation through web formation major energy reductions for processing the fibre are possible with our DI-LOWATT system targeted at airsystems for efficient fibre transport.

   Apart from needling lines Dilo offers also complete lines including waterentanglement. In this regard a comparison of energy used per kg gives rise to use a potential applying the needling technology also in the field of cosmetical and medical lightweight products, where possible. In this regard Dilo is concentrating its research in order to gain momentum in that special area of application.

   In addition it is worthwhile looking into the fibre consumption in needlefelting technology where already special controls are used in order to make possible high amounts of fibre savings. Our new 3D-Lofter is providing a different solution to work like a 3D printer for fibre in order to allocate fibre where it is really needed. For example a molded car interior needled part requires additional amounts of fibre at stress and strain areas. In those areas fibre only is added to fulfill its function, whereas the average of fibre mass in the plain is thereby reduced.

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4. How do you see future trends in case of technology?

   As a future trend I foresee that more recycled fibre material and natural fibre will be used in order to fulfill sustainability requirements when making a product which is recyclable or biodegradable.

5. How do you see DiloGroup in the next 5 years?

   All these above mentioned technological and strategic aspects will support a further positive development of our group as a market leader in the described fields also longterm.

6. DiloGroup message to customers?

   We all, applicants of nonwoven technology and their suppliers, should take very serious the aspects and requirements for sustainability and look for ways to save fibre and energy as well as take measures for more recycling of nonwoven products.

7. Which are the most promising present and future markets? Your expectations from ITM 2022, ITMA Asia 2022 and INDIA ITME 2022?

   ITM has gained a lot of importance over the last decade. Turkey is large producer of textiles and nonwovens. Therefore, ITM is a must for our participation as DiloGroup, equally, ITMA Asia since traditionally China is a very large applicant of nonwoven technology. Currently, however, it remains to be seen how Covid19 is put under control. For INDIA ITME I foresee, as for India as a whole, a large potential to produce and apply more nonwovens. India with its large population should be on the forefront of making use of convenience products in the hygiene and medical products field and in this large sector solutions for sustainability are badly needed as well.