GERMAN TEXTILE MACHINERY

Engineering the Future: German Solutions for Global Textile Challenges



Statement for International Textile Market

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• How does the German textile machinery industry plan to support global manufacturers, especially those in Asia, in balancing cost-efficiency with sustainability and environmental responsibility?

A key pillar of sustainability is the issue of efficiency. Energy efficiency has long been a main focus. From the fibre to the finished textile product, technologies developed by VDMA member companies ensure top-tier energy and resource efficiency throughout the entire production process. VDMA has clearly demonstrated the potential for savings through comprehensive analyses of complete production chains – from raw materials to final products.

One compelling example from the field of technical textiles: By using technologies from VDMA members, the energy consumption involved in producing architectural fabrics (such as woven tarpaulins) can be reduced by more than 25%. The nice thing about it is that saving resources (raw materials, energy, water, chemicals, etc.) while maintaining high product quality is both economically and ecologically beneficial. Another big issue is textile recycling. VDMA and its member companies are dedicated to the responsible use of all resources involved in textile production. They provide the technological foundation for the efficient reuse and recycling of textile raw materials. In alignment with the principles of the circular economy, VDMA members offer solutions that cover the entire textile processing and production chain. Their product and service portfolios include machinery and technologies for recycling of textile production waste and textiles, recycling of caustic soda and waste heat and finally the processing of recycled materials. A detailed overview of the available technologies is available here: https://www.vdma.eu/viewer/-/v2article/render/78279497

• With the increasing demand for specialized segments like nonwovens, technical textiles, and smart fabrics, how do German textile machinery manufacturers see themselves contributing to the growth of these high-potential markets?

Europe is facing a growing price competition especially for standard and mass production. However, German and European manufacturers are known for their precision engineering and have developed highly specialized machinery that enables the production of advanced textile materials. Developing specialized solutions for individual customer requirements is one of their core competences. To this end, many VDMA members are present in Asia to be close to their customers. Another strength lies in the close cooperation between industry and research institutions to improve and develop new processes.

Visitors of ITMA ASIA + CITME 2025 in Singapore can see all this by themselves. About 70 VDMA members will showcase their latest innovations and look forward to every new technological challenge.