

# Technical Textile Markets: Product Developments and Innovations, December 2018

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## Abstracts

This report provides information on the latest developments in automotive textiles, composites, composites manufacturing machinery, filter media, new fibres, nonwovens and sensors. The report includes information and analysis relating to the following innovative companies and other organisations: Ahlstrom-Munksjö, Airbus, AMSilk, Cygnet Textimp, Freudenberg Performance Materials, imat-ue, Lydall Performance Materials, Lenzing, Suominen, Technical Absorbents, Trevira, The University of Manchester and the University of Delaware.

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### SUMMARY

#### AUTOMOTIVE TEXTILES

Trevira and imat-uve have collaborated in the development of a new process for manufacturing knitted automotive interiors

#### COMPOSITES

Airbus and AMSilk are exploring the potential of synthetic spider silk for aerospace applications

Ahlstrom-Munksjö has developed a new reinforcement fabric for use in the manufacture of wind turbine blades

#### COMPOSITES MANUFACTURING MACHINERY

Cygnit Textimp and researchers at The University of Manchester have developed a new machine for manufacturing lightweight composite components

#### FILTER MEDIA

Lydall Performance Materials has developed new gas phase filter media called LydAir GP

#### NEW FIBRES

Lenzing has developed a new fibre for use in the manufacture of surface disinfectant wipes

#### NONWOVENS

Freudenberg Performance Materials' Evolon New Generation material has been certified as being compliant with the ECARF Seal

Lenzing has developed Lenzing Web Technology to drive sustainability in the nonwovens industry

Suominen has developed a new concept called Suominen Intelligent Nonwovens

Technical Absorbents has developed a needlefelt fabric which is made from 100% SAF

(Super Absorbent Fibre)

## **SENSORS**

Researchers at the University of Delaware have developed textile-based pressure sensors

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Figure 2: 3D Winder

Figure 3: Super-microfilaments in Evolon New Generation

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