

safety and protection

Performance fibres

intelligent textiles

sports and leisure

medical textiles

technical fabrics

construction

geotextiles

automotive

composites

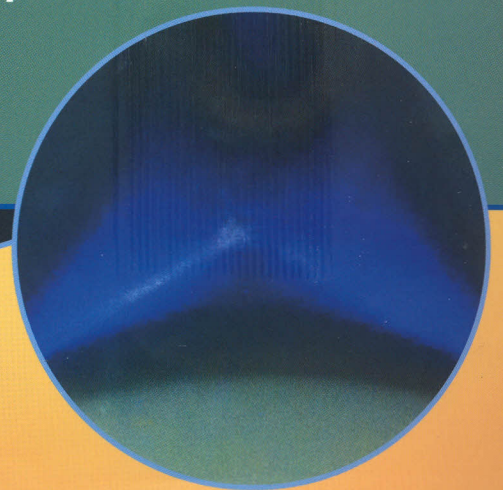
laboratory

TECHNICAL *Textiles* international

JULY/AUGUST 2013



- **Nonwovens help take the weight out of automobiles**
- **Mass-production for composites cars?**
- **Exploiting plasma technology**
- **Looking back at Texprocess**



aerospace

filtration

coating

IN

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Project Manager in the Surface Technology Department at Freudenberg R&D Services, Weinheim, Germany, Friederike von Fragstein describes her work on the application of plasma surface technology pages 21–24.



Saving resources is important for the textile industry and one possible solution is the use of plasma modification of surfaces. Dirk Hegemann of EMPA discusses the potential pages 25–28.

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Cover pictures:

At *Techtextil*, held on 11–13 June 2013 in Frankfurt, Germany, Groz-Beckert of Albstadt, Germany, displayed a specially modified Mercedes saloon to show the many applications for textiles and nonwovens in automobiles. Adrian Wilson (pages 2–8) and James Bakewell (pages 9–14) take up the story.

Italian developers are building a machine for the atmospheric plasma treatment of wool and aim to begin commercial trials in 2014. Nick Butler reports on developments pages 15–19.

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