

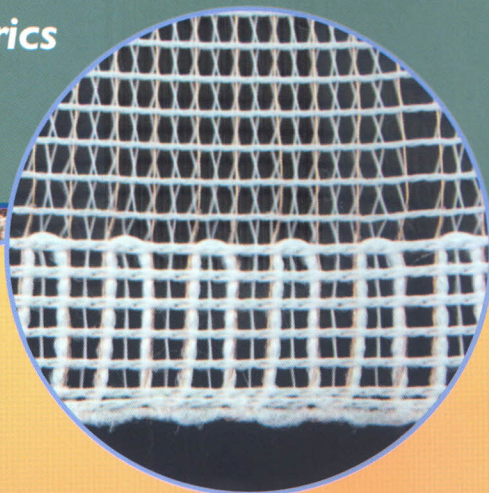
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# TECHNICAL *Textiles* international

MAY 2013



- **Reducing consumption of energy and materials**
- **Needles that can help make smart fabrics**
- **Antimicrobial treatments get smarter**
- **Boosts for Europe's research base**



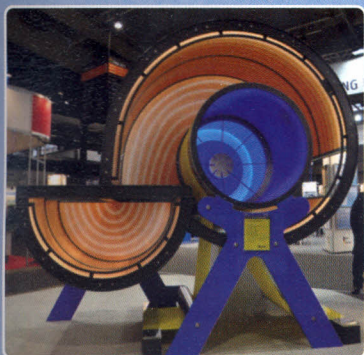
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IN

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Fleissner's Streamliner is a through-air dryer with a highly uniform, spiralling air-flow passing through the fabric. This is one of a number of ways nonwovens machinery builders are addressing the issue of reducing the use of energy for their customers, according to

Adrian Wilson pages 7–14.



Development facilities, such as those at the Centre Européen des Textiles Innovants (CETI) in Roubaix, France, and Andritz in Montbonnot, France, are a welcome boost for the creation of innovative products pages 41–45.



Concrete fascia panels (from Hering in Burbach, Germany) that are only 30 mm in thickness are reinforced with a three-dimensional textile to allow them to be used in fascia systems that can withstand high forces pages 31–40.

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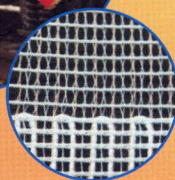
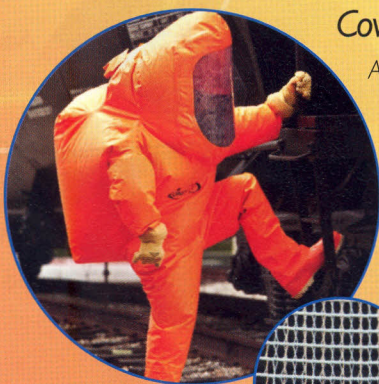
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### Cover pictures:

A wide range of fabric-based solutions designed to offer protection against chemical and biological threats are now available and, on pages 25–28, Ian Hutcheson from Saint-Gobain Performance Plastics urges users to take great care when making a selection.



Sefar has developed a knitted fabric with an embedded metal wire that runs through the full width of the textile. Starting on page 15, Groz-Beckert discusses the technology needed to do so.

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