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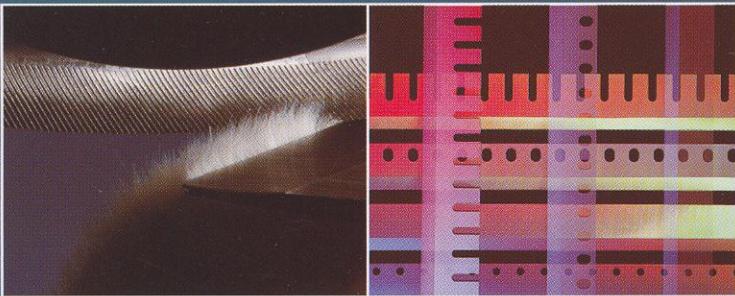
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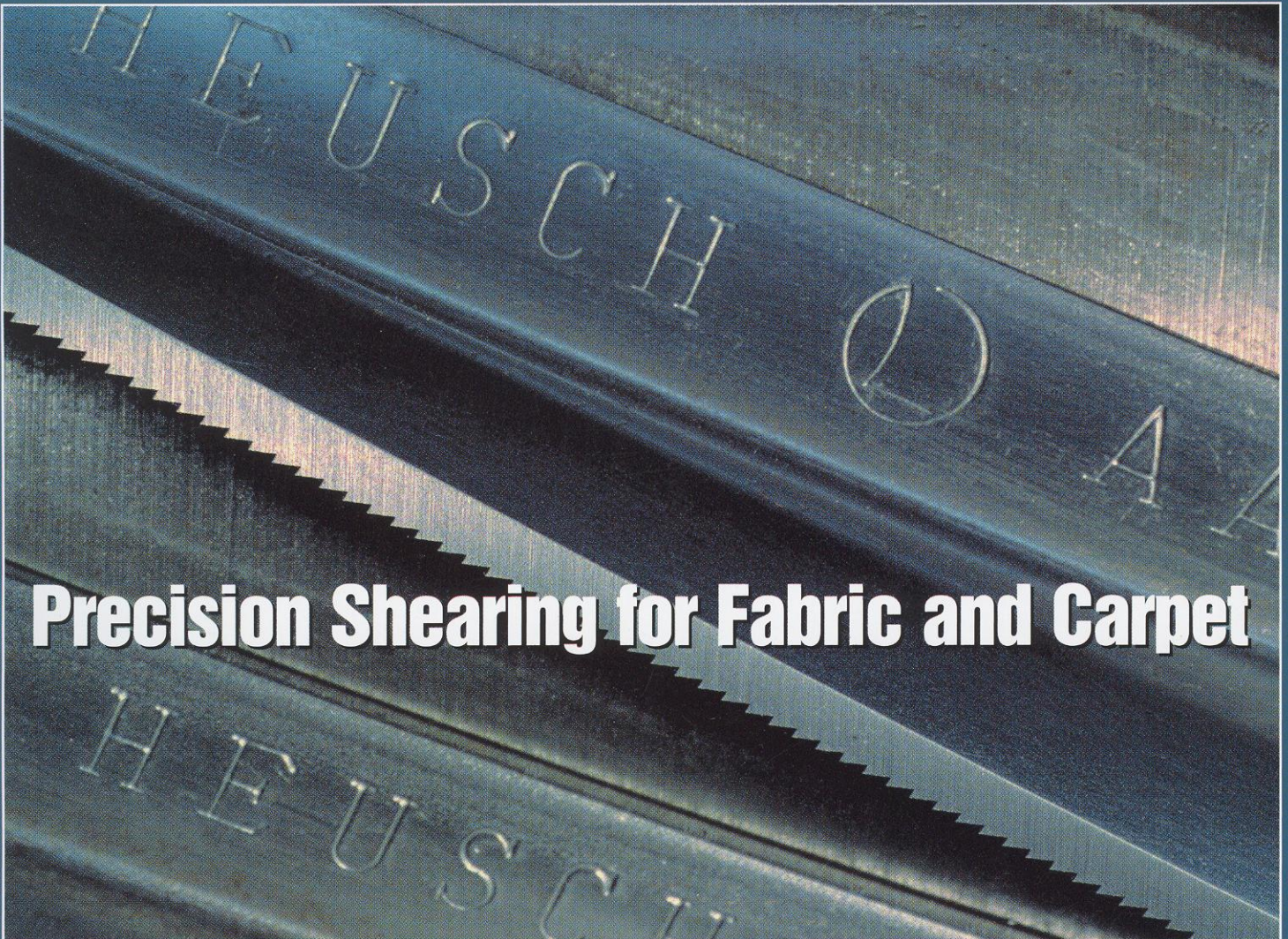
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# Dornbirn 2006: new fibers, technical textiles, nonwovens

The yearly Man-Made Fibers Congress Dornbirn in Dornbirn/Austria offers a unique European platform for the exchange of know-how between fiber producers and the production chain for textiles and nonwovens, textile research institutes, universities and technical colleges as well as suppliers to textile auxiliaries and fiber and textile machinery.

The 45<sup>th</sup> Man-Made Fibers Congress Dornbirn will take place from September 20-22, 2006. The main subjects will be new developments in fibers and yarns, technical textiles and textile composites, well-being and health with textiles, and nonwovens, with papers from 86 experts from 15 countries. In all, there will be more than 600 participants from some 30 different countries.

In the plenary lectures, the American Fiber Manufacturers Association (AFMA) will present an overview of the American fiber market, the European nonwovens association Edana, Brussels/Belgium will discuss the European fiber/nonwovens cooperation, a presentation on the topic of electrospinning will be made by the University of Marburg/Germany and information on new ways to man-made fibers and their applications will complete the plenary lectures.

In order to encourage innovations in the field of man-made fibers, the European fiber industry association CIRFS, Brussels/Belgium, will award the coveted Paul

Schlack Chemical Fiber Prize to a scientist for research work at a European academic institution.

## New fibers

The section Developments in Fibers and Yarns will cover the following topics: ionic liquids as cellulose solvents, new polyester textile filament yarns, broader applications for polyamide high-performance yarns, nanofibers technologies for the manufacturing of fine cellulose fibers, new industrial applications and end-uses for PLA fibers, micro-cellular polyester, bicomponent yarns for 3D-knitted fabrics.

## Technical textiles

The section Technical Textiles and Textile Composites will start with an introduction to the world market of technical textiles and will be followed by lectures on the following topics: applications in architecture and construction, textile finishing for technical and protective textiles, international test and evaluation standards against thermal risks, warp-knitted structures for reinforced plastics, the use of nanoparticles in fibers and textiles, high-tenacity polyethylene fibers, new binding fiber for needle felts, agrotextiles, protective membrane-based garments, viscose and PA 66 high-tenacity applications and artificial turf.

## Nonwovens

The section Nonwovens will start with a

market overview of the USA, followed by lectures on the topics of new polymers for spunbonds, short staple polyester for wet-lay processes, environmentally friendly geotextiles, biologically degradable PLA nonwovens, melt spinning of biocompatible filament yarns, electrospinning, fiber dynamics simulation tools, control of fiber surfaces for nonwovens.

## Well-being and health textiles

The section Well-being and Health with Textiles is currently of particular interest. Papers will define the concept of so-called wellness fibers, look at medical applications versus the wellness trend, procedures for the evaluation of the skin tolerance of textiles, design strategies for the megatrend wellness, conductive textiles, textiles for the improvement of physical performance, functional textiles, optically active fibers with bioactive properties, benefits of low compression garments for healthy people and antibacterial textiles.

The Man-Made Fibers Congress Dornbirn will on one hand encourage the dialogue between man-made fiber producers, machine and auxiliary manufacturers, nonwoven producers, processing companies and on the other hand the cooperation in R&D between industry, universities and research institutes.

Detailed program information and registration: [www.dornbirn-fib-con.com](http://www.dornbirn-fib-con.com)