

Press release

Textechno receives the DIN innovation award 2016 at Hannover Messe

Hannover, April 26th 2016

Textechno, a leading German manufacturer of machines for precision test equipment and systems for textile and man-made fibers, receives the DIN innovation award for DIN SPEC 8100 and its test equipment DRAPETEST serving the purpose of evaluating composite woven and non-crimp fabrics. The award ceremony took place at Hannover Messe in Germany on April 26th, 2016 in the framework of the DIN forum "standards for the world of tomorrow".

The DIN SPEC 8100 "Automated drapability testing for woven and non-crimp fabrics used in continuous fiber reinforced plastics" was developed and implemented by Textechno, a medium-sized traditional company based in Mönchengladbach, in cooperation with DIN, as well as SAERTEX, the Fiber Institute Bremen, GROZ - BECKERT KG and FTA Albstadt.

In the automated production of carbon- or glass fiber-based woven and non-crimp fabrics for the aerospace or automotive industry, a major problem consists in undetected errors as they occur during the three-dimensional deformation for the final component (draping). The method described in DIN SPEC uses i.a. a high-resolution camera in conjunction with an image analysis, detecting imperfections while draping. This method provides values with which the properties of the textile fabric can be characterized and it ultimately helps selecting the right fabric material for the appropriate composite.

Dr. Ulrich Mörschel, CEO of Textechno explains: "With our products, we contribute to avoid conflicts between suppliers and end-users wherever possible. The development of the DIN SPEC has procured us a fast possibility to set a new and useful standard for the entire composite industry, where there are not yet many standards set."

Dietmar Möcke, Technical Director at SAERTEX, a globally leading manufacturer of woven and non-crimp fabrics and co-initiator of DIN SPEC says: „ DIN SPEC offers for the first time a standardized testing method. It allows us to provide our customers with comparable and reproducible measurement values regarding the draping characteristics of our products. Thus they get a standardized overview of the textile properties and the material's performance".

Dr. Michael Effing, CEO of AMAC and advisor for Composite Materials to Textechno adds: "The parameters generated by DIN SPEC 8100 represent a huge added value for the

entire composite industry. This is to ensure that carbon- and glass fiber woven and non-crimp fabrics for applications in high-performance components like rotor blades or structural components in Automotive and Aerospace possess the required material characteristics.“

In order to further boost the development of pioneering testing methods, the partners SAERTEX, GROZ - BECKERT and FTA Albstadt waive their shares of the prize money so that Textechno can handover a voucher worth 5000 EUR for research to the Bremen Fibre Institute.

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AMAC

About AMAC AMAC GmbH is an Industrial and Business Consulting Company in the field of lightweight construction materials, based in Aachen, Germany. The business model of AMAC is based on three pillars: establishment and development of networking and clusters between universities and industrial companies, training in Sales and Marketing excellence, as well as Management of Industrial projects in the field of innovations and commercialization. Dr. Michael Effing is Chairman of the board of the trade associations Composites Germany and AVK.

www.amac-international.com

SAERTEX

The SAERTEX®-Group is a global market leader in developing and producing glass, aramid and carbon fibre mutiaxial NFC for use in manufacturing of composites. Saertex is mainly active in the wind energy, boatbuilding, transport, automobile and aviation.

www.saertex.com

Textechno

Textechno GmbH & Co. KG is a leading designer and manufacturer of precision test equipment and systems for textiles and man-made fibres, headquartered in Mönchengladbach, Germany. Established for more than 60 years, Textechno is, together with its subsidiary Lenzing Instruments in Austria, world market and technology leader in the field of man-made fibre and filament testing. Textechno stands for reliable, innovative and highly automated technology as well as outstanding production quality and sustainable testing systems. Textechno is member of AVK and just received the JEC innovation award for its new test equipment FIMATEST, a new system for the quality assessment of the bond strength of the fibre matrix in reinforced plastics.

