

Multi-sector
Hall 5 – C18



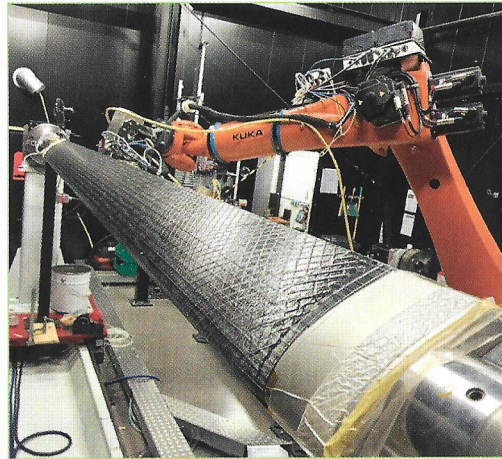
Inline monitoring sensor for draping processes
Profactor launched a particularly compact version of its sensor for fibre orientation measurement on glass and carbon fibre fabric. The sensor covers a

field of view of about 20 mm in size and can measure fibre orientation with an accuracy of 0.2 degree. The sensor has a sealed housing to prevent carbon fibre dust from entering the electronics.

It is intended for use in automated draping processes, where it can be integrated into the gripper to provide real-time information about fibre orientation. The sensor is also able to determine the ply position on the gripper for more accurate placement of the material. Due to its small size, it is also useful for the inspection of carbon fibre preforms and parts with high local curvature, where collisions prevent the use of larger sensors.

www.profactor.at

Aerospace
Hall 6 – L50



In situ production of a Krueger flap with an automated TP process

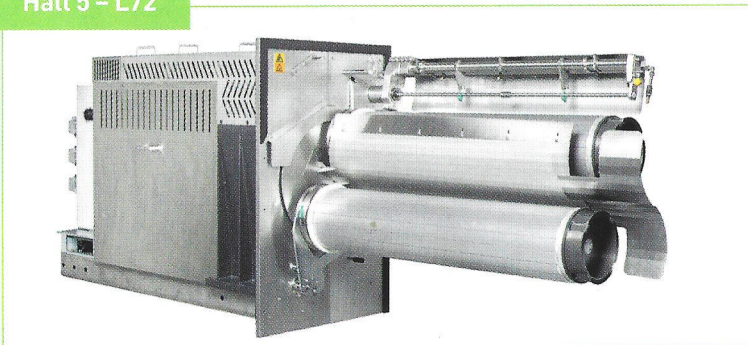
As part of the SWING European R&D project, Cetim produced an innovative Krueger flap with a large and complex shape using an automated *in situ* thermoplastic con-

solidation process. In addition to the innovative function of this flap developed by SONACA for hybrid laminar flow control on wings, the specific TP design and the innovative manufacturing process outperform existing processes in terms of structural and industrial performance (higher production rate, greater process stability and improved composite quality). Consisting of several components (three cells for resistant hollow bodies and a skin that holds the whole part), the flap meets mechanical and weight constraints and is recyclable. It can be industrialised according to *in situ* criteria, at a cost acceptable for the aerospace sector.

www.cetim.fr

www.cetim-engineering.com

Multi-sector
Hall 5 – L72



Saurer introduces the CakeFormingWinder glass winding machine

This machine offers a completely new technology based on new patents and innovations. With, for instance, the aid of the company's new rotor technology and by integration of a high-speed traversing system, the machine can achieve efficient production of high-quality glass filament packages. Thanks to the new and innovative rotor design technology, the CakeFormingWinder can work with constant entry angles into the flyer design. The product also impresses with its special patented bearings for the collets, water-cooled control unit and automatic lubrication system. In addition, Saurer offers an attractive portfolio of services to suit the requirements of customers engaged in glass fibre production

www.saurer.com

Multi-sector
Hall 6 – M31

Araldite® 2081 adhesives

Huntsman introduces Araldite® 2081 adhesives,

a new acrylic adhesive technology that cures fast, creates high strength and high-elongation bonds, offers outstanding stress and impact resistance, and provides an effective solution to multiple sustainability-related challenges, without compromising performance. Main advantages:

- Non-flammable classification: unlike traditional methyl-methacrylate-based products, these new adhesives are not classified as flammable, leading to lower usage costs and environmental impact.
- Favourable health and safety profile: improved GHS classification.
- Low odour: with 90% less odour than traditional products, these new adhesives increase the well-being and satisfaction of users, especially in poorly ventilated working environments. They contribute to savings on personal and collective protective equipment.
- Limited surface preparation.



www.huntsman.com