

Fiber Placement Center celebrates its one-year anniversary at JEC World and welcomes two new partners

The Fiber Placement Center (FPC) of SGL Carbon and Fraunhofer IGCV, established at the SGL site in Meitingen, is constantly evolving. At this year's JEC World in Paris the partners involved celebrated the one-year anniversary of the center and announced the acquisition of the two new partners Cevotec and Coriolis Composites.

Together with Cevotec, the plan is to set up a SAMBA Pro Prepreg processing line in Meitingen by mid-2020 which will complement the FPC's range of services with the novel Fiber Patch Placement Process.

Since the founding of the FPC, Coriolis has been represented indirectly with the robot-based Fiber Placement system Coriolis C1 through years of cooperation with the Fraunhofer IGCV. With the direct partnership of Coriolis, it is now intended to expand the FPC's machinery towards further automated production methods by means of a Coriolis Csolo system.

Thorsten Gröne, Managing Director of Cevotec: "The Fiber Patch Placement process is particularly suitable for complex shaped components while achieving short cycle times. Through joint projects in the FPC, we will further develop our technology and create new applications together with our partners."

Thomas Gahr of Coriolis Composites: "Automation more and more turns into an essential part of the composites industry. Particularly this is true for Fiber Placement processes. As partner of the FPC, we will contribute not only with our systems, moreover additionally with our sound expertise in robot-based Fiber Placement solutions."

On over 500 m² of lab space with different high-tech machines, the FPC offers customers the possibility to develop production concepts and demonstrate their feasibility by prototyping. In addition, a production of fibre-reinforced components for the large-scale series can also be realized by SGL Carbon. Besides SGL, Fraunhofer IGCV, Coriolis Composites and Cevotec, the FPC includes BA Composites, Compositence GmbH and the Technical University of Munich as partners. New partnerships to the FPC are welcome at any time. Accordings negotiations are already under way.

For more information about the Fiber Placement Center, visit: www.fiberplacementcenter.com.

About Cevotec

Cevotec enables manufacturers to build complex fiber composites in high volume and quality – by smart process automation based on Fiber Patch Placement technology. With SAMBA Series, Cevotec offers a customizable fiber lay-up automation platform for challenging 3D geometries and multi-material laminates with complex fiber orientation. ARTIST STUDIO is the associated CAE software for generating patch-based fiber laminates and automated robot programming. Along with development services that include FE-based modeling and simulation, Cevotec offers the entire process chain from digital design to final fiber product.

About Coriolis Composites

Coriolis Composites develops and markets Fiber Placement machines using a standard robot, enabling the laying of continuous and discontinuous fibers, in all directions and on complex geometrical surfaces. This enables the customer to manufacture composite components automatically and resource-efficiently. The product portfolio is enriched by two in-house software solutions - CATFiber (fully integrated into CATIA / DELMIA or SIEMENS NX) and CADFiber (standalone version). To complete our automated composite manufacturing solutions, Coriolis Composites offer services including their Composite Center and comprehensive customer service.

About SGL Carbon

SGL Carbon is a technology-based company and world leader in the development and production of carbon-based solutions. Its high-quality materials and products made from specialty graphite and composites are used in industrial sectors that determine the future: automotive, aerospace, solar and wind energy, semiconductor and LEDs as well as in the production of lithium-ion batteries and other energy storage systems. In addition, SGL Carbon develops solutions for chemical and industrial applications.

In 2017, SGL Carbon generated sales of around 860 million euros. As of December 31, 2017, the company had approximately 4,200 employees worldwide in 34 locations in Europe, North America, and Asia.

Materials, products and solutions from SGL Carbon are embedded in the major topics of the future: sustainable mobility, new energies and cross-industry digitization. Further developments in these areas demand more intelligent, more efficient, networked and sustainable solutions. This is where the entrepreneurial vision of SGL Carbon evolves around: contributing to a smarter world.

Further information on SGL Carbon can be found in the Newsroom of SGL Carbon at www.sgllcarbon.com/press and at www.sgllcarbon.com.

Important note:

To the extent that our press release contains forward-looking statements, the latter are based on information that is available at present and on our current forecasts and assumptions. Forward-looking statements, by their very nature, entail known as well as unknown risks and uncertainties that may lead to actual developments and events differing substantially from the forward-looking assessments. Forward-looking statements must not be understood to be guarantees. Instead, future developments and events depend on a large number of factors; they comprise various risks and imponderables and are based on assumptions that may possibly turn out not to be appropriate. These include unforeseeable changes to fundamental political, economic, legal and societal conditions, particularly in the context of our main customers' industries, the competitive situation, interest and exchange rate trends, technological developments as well as other risks and uncertainties. We perceive additional risks e.g. in pricing developments, unforeseeable events in the environment of companies acquired and Group member companies as well as in current cost savings programs from time to time. The SGL Carbon assumes no obligation and does not intend to adjust or otherwise update these forward-looking statements either.

Press Release

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