

Press release

20 February 2023

Production of bipolar plates in Saxony celebrates its jubilee

Sustainable commitment, a careful treatment of dwindling resources, and the continuous development of innovative technologies are increasingly important for companies.

With this claim in mind, SITEC Industrietechnologie GmbH has been manufacturing customized fuel cell components for over ten years. Already in 2006, the first production line for laser-welded bipolar plates – the core element of each fuel cell – left the plant in Chemnitz, Germany. At the early stage, the focus was still on product development, fabrication of prototypes and smaller series. Nowadays, the target is more and more on larger volumes.

Our development competence and manufacturing experience for components of mobile and stationary fuel cells and electrolyzers has grown steadily over many years. Thanks to that, SITEC is valued as a strong and reliable partner far beyond Europe.

With the new FlexCell series, fuel cell manufacturers have access to high-efficient systems technology. From prototypes up to small- and large-scale production – the machines are perfectly suitable for laser-welded bipolar and interconnector plates.

Furthermore, SITEC succeeds in optimally exploiting synergy effects from mechanical and system engineering for its own production. High-quality bipolar plates for various fuel cells are assembled on the company's shop floor every day.

"Expanding our own manufacturing capacities was a logical and forward-looking step for us. It offers our customers maximum flexibility and first-class products.", states Dr. Jörg Lässig, Managing Director of SITEC.

The FlexCell Basic allows an expansion of SITEC's capacity by a further one million bipolar plates in 2022. In addition, the collaboration with strategic partners enables high-volume series from coils to ready-to-install bipolar plates.

As a supplier of automated production facilities and an experienced partner for series production, the company thus leaves the "make or buy" decision entirely to its customers.

"Hydrogen is one of the innovation drivers of the energy revolution. We at SITEC are optimally equipped and convinced that we can offer significant added value for the manufacturing of fuel cells with our comprehensive know-how and broad network.", concludes Dr. Lässig.



Media contact

SITEC Industrietechnologie GmbH

Bornaer Straße 192

09114 Chemnitz

Germany

Head of Marketing

Sabine Rabenhold

Phone +49 371 4708 273

sabine.rabenhold@sitec-technology.de

www.sitec-technology.de

Business Development Hydrogen

Martin Florstedt

Phone +49 371 4708 185

martin.florstedt@sitec-technology.de

About SITEC

SITEC is an internationally valued partner and system supplier for automated high-tech production systems and the series production of precision parts and assemblies.

Based on the highest quality and environmental standards, SITEC offers efficient manufacturing technologies as well as complete key solutions.

For its global customers in the automotive industry, medical technology, and alternative energy technology, SITEC develops production-ready solutions for automated assembly, laser material processing and electrochemical metalworking. The company achieves this with around 300 highly qualified employees and optimum teamwork.

SITEC grows with the challenges of its customers and the market, such as the development of new products in the field of e-mobility or autonomous storage technologies based on fuel cells. Fully automated laser processing systems for laser welding, in particular of copper, for components in e-drives, battery systems and power electronics are now part of the portfolio.

In addition, the company has been producing laser-welded bipolar plates of various designs to customer order within series production since 2012.

Founded in 1991 and headquartered in Germany, the company serves Asian markets directly on site via SITEC Laser Technology (Shanghai) and operates a showroom in the USA (Pittsburgh).