

## Media Release

April 19, 2024

### **Stack up on expertise! Feintool and SITEC at the «Hydrogen + Fuel Cells EUROPE» in Hannover**

**We will showcase our expertise in the development and production of high-precision bipolar plates and interconnects at Messe Hannover. We will also launch the "Stack up on" campaign, which highlights the customer and market benefits of our key components for fuel cells and electrolysers.**

Hydrogen is a central element of future sustainable energy systems, with metallic bipolar plates and interconnects forming the heart of fuel cells and electrolysers. These components demand the utmost precision and tightness standards. Feintool in collaboration with the laser welding expert SITEC, produces these high-precision parts for hydrogen applications on an industrial scale. For decades, both companies have earned global recognition as technology partners and suppliers.

#### **Stack up on precision, speed, quality, and efficiency!**

The "Stack up on" campaign emphasizes the customer and market benefits of precision, speed, quality, and efficiency inherent in our production. Thanks to our partnership, we deliver custom designed bipolar plates and interconnects of the highest quality, ready for installation, and in high-volume series worldwide.

- **Stack up on PRECISION:** Ultra-precise metal forming process.
- **Stack up on SPEED:** Laser welding at top speeds with excellent weld seams.
- **Stack up on QUALITY:** Quality assurance integrated directly into production.
- **Stack up on EFFICIENCY:** Scalable, efficient solutions - for prototypes, pre-, low- and high-volume series.

The successful collaboration between SITEC and Feintool is evident at our site in Taicang, China, where series production of precision metal components for the hydrogen economy will start in 2024. Additionally, we have also secured our first order for series production in Europe in spring 2024.

**Visit us from April 22 to 26, 2024 at our stand E19/1 in hall 13 at the Hannover Messe.**

## Technologies

### FEINforming: Advantage through precision

Feintool's FEINforming technology enables the precise processing of ultra-thin material thicknesses with maximum accuracy. This results in weight and volume reduction, facilitating a more compact arrangement of the cells within the fuel cell stack and in electrolyzers. Through the optimization of material use, design implementation, and production processes, we unlock significant potential for reducing costs and increasing the efficiency of fuel cell and electrolyser technology.

### FLEXwelding: Advantage through efficiency

Employing efficient laser technology from SITEC, FLEXwelding stands out as an extremely economical process. Characterized by the highest welding speeds, maximum contour accuracy, and virtually distortion-free components, FLEXwelding ensures optimal results. In addition, the intelligent systems specially developed by SITEC form the basis for excellent weld seams. Integrated, intelligent monitoring processes ensure 100% quality control and traceability within automated production systems.

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### **About Feintool**

Feintool is an international technology and market leader in electrolamination stamping, fineblanking, and forming. We manufacture high-quality precision parts in large volumes from steel.

We supply the automotive industry, energy infrastructure equipment providers, and all manner of high-end industrial manufacturers. Feintool's products perfectly complement the mega-trends for green energy generation, storage, and usage.

Our core technologies deliver measurable cost-efficiency, consistent quality, and improved productivity. Feintool constantly expands the horizons of its production methods and develops intelligent solutions, innovative tools, and state-of-the-art manufacturing processes in line with customer needs.

Founded in 1959 and headquartered in Switzerland, the company has 17 production sites, 3,200 employees and over 100 vocational trainees in Europe, the USA, China, Japan and – as of 2025 – India. In 2023, turnover amounted to 848 million Swiss francs. Feintool is publicly listed and majority-owned by the Artemis Group.

### **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.

Focusing on the use of innovative technologies, complete turnkey solutions and the highest quality, we develop production-ready solutions for laser material processing and automated assembly for the automotive and renewable energy industries. The company achieves this with around 300 employees and optimal teamwork.

SITEC is growing with the challenges of its customers and the market, such as the economical production of future-oriented products in the field of e-mobility or self-sufficient storage technologies based on fuel cells and interconnects. The company has been producing laser-welded bipolar plates on behalf for customers since 2012.

Fully automated laser processing systems for laser welding of copper in particular for components in e-drives, battery systems and power electronics, complete the portfolio. 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).