

Press release

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EVOSYS shows new compact machine for laser welding of plastics at K fair

The EvoWeld Mini from Evosys Laser GmbH in Erlangen is the latest addition to the turnkey systems available in the EvoWeld series. The extremely compact tabletop machine features a conclusive, ergonomic and economical overall concept.

Erlangen, August 2022: Welding plastics has many advantages typical of the process. It convinces with particle-free, gentle and high-quality processing. Combined with its proven cost-effectiveness and reliability, it is today the method of choice worldwide when it comes to joining plastic parts in 24/7 series production. Now the Erlangen-based company has developed the new **EvoWeld Mini**. The table-top system is precisely tailored to the processing of small batches such as prototypes or assemblies with low volumes. This means that this process can also be used for smaller quantities or for laboratory operations.

With a compact installation space that manages with a footprint of just 320x663 mm² and a height of 533mm, the system, which is designed as a tabletop unit, has everything that is needed for laser welding. Of course, it also complies with laser class 1, which means that no further protective equipment is required during operation. All essential components are already included in the basic version. Integrated in the housing are the laser including cooling, beam shaping and guiding, and the necessary control components.

To increase flexibility and operability, the EvoWeld Mini is equipped with a galvanometer scanner. This enables the contour and quasi-simultaneous welding process variants commonly used in industry. Weld contours are programmed and adapted using the intuitive EvoLaP process software. This makes it very easy to transfer welding processes developed on the EvoWeld Mini to the more highly automated products from the Evosys portfolio. Various extensions for process and quality monitoring are optionally available for the welding system.

"Set it up, connect it, weld it! The new EvoWeld Mini will significantly continue our EvoWeld series." Frank Brunnecker and Holger Aldebert, managing directors of Evosys Laser GmbH, are convinced of this.

At K show 2022 in Düsseldorf, the EvoWeld Mini will be on display "live" with welding demonstrations. The EVOSYS booth in **Hall 11, A53** will also feature other exhibits, such as the new EVO 0800TD process module with top-down function.

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About EVOSYS:

Evosys Laser GmbH develops and manufactures customized systems for laser welding of plastics at its Erlangen site. With its employees' many years of market and process experience, the company offers creative and innovative solutions worldwide for integration into automation solutions. A service package ranging from design consulting to sample production in the company's own technical center rounds off the range of products and services.

The company was honored with the BAYERNS BEST 50 award in July, and was TOP 100 Innovation Champion in 2020. There were also nominations for coveted business awards such as 'Großer Preis des Mittelstandes' or the Bavarian Founders Award. There are intensive contacts with the university location Erlangen-Nuremberg and the Bayerisches Laserzentrum.

The Evosys Group currently consists of four companies, the parent company Evosys Laser GmbH, the subsidiary Evosys Laser Services GmbH and the subsidiaries Evosys (Suzhou) Laser System Co., Ltd. in China and Evosys North America Corp. in the USA.



Pictures



The EvoWeld Mini from Evosys Laser GmbH in Erlangen is the new compact table-top system for laser welding of plastics.



The new EvoWeld Mini offers a small footprint and easy handling.