
Press release

Additive manufacturing with four laser/scanning systems toolcraft cooperates with Farsoon on Laser-Powder-Bed-Fusion Systems (L-PBF) and started production of metal parts with the Farsoon FS422M-4 System.

Georgensmuend and Stuttgart (D), 17/1/2023: toolcraft has started production of metal parts with the Farsoon FS422M-4 Laser-Powder-Bed-Fusion System (L-PBF) after Farsoon successfully completed installation and commissioning in Georgensgmünd. Farsoon and toolcraft entered into a Joint Development Agreement for optimizing hardware and software of the Farsoon FS422M-4 system and quality assurance of metal parts' production.

After deep evaluation and benchmarking, some months ago toolcraft AG decided to order a new Laser-Powder-Bed-Fusion (L-PBF) system from Farsoon for the additive manufacturing of metal parts. Today, toolcraft can confirm that Farsoon delivered and installed the system as promised. "I am positively impressed on the speed and professionalism of the Farsoon team installing the Laser-Powder-Bed-Fusion System in our facilities in toolcraft" said Mr. Christoph Hauck, Chief Officer Technology and Sales of toolcraft AG. "The Farsoon FS422M-4 system has passed the factory acceptance test at the first trial, and we have started production of high-quality aluminum parts for sale to our customers already."

The Farsoon FS422M-4 is a system for additive Manufacturing of metal parts by using metal powders and laser melting technology. The FS422M is fabricated & assembled by Farsoon Technologies Co., Ltd., Changsha, China. The FS422M-4 operates with four laser/scanning systems for high quality parts in serial production, with the build cylinder size of 425 x 425 x 550 mm³ (incl. substrate plate). The surface quality of the metal parts, for instance using aluminum powders, is especially good even at the very high speed of parts production.

"toolcraft has put Farsoon under high pressure for demanding requirements on quality of aluminum parts at lowest production costs. toolcraft today confirmed Farsoon achieving these requirements, which is highly satisfying for me" said Dr. Dirk Simon, Managing Director of Farsoon Europe GmbH. "The achieved status is very encouraging for us to collaborate with toolcraft in a development partnership to further optimize the system for the production of better metal parts at lower production costs."

Within the collaboration the Parties, both Farsoon and toolcraft, join their forces with complimentary competences, on laser melting system hardware, auxiliary equipment. processing parameters, optimization of productivity and reducing production costs per part, Farsoon software and its integration with 3rd party quality control systems for advanced quality assurance.

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About Toolcraft

The medium-sized family-owned company, located in Georgensgmünd and Spalt, was founded by Bernd Krebs in 1989. Toolcraft is a pioneer of forward-looking technologies, such as additive manufacturing and the construction of customised turn-key robotic solutions. As a provider of comprehensive solutions, Toolcraft covers the entire process chain, from the initial idea to manufacturing, quality assurance and testing in the areas of CNC machining, additive manufacturing, injection moulding and mould making. Its clients include market leaders in the semiconductors, aerospace, medical technology, optical, special machinery manufacturing, motor sports and automotive industries. Building close working relationships with collaborative partners as well as universities, other institutions of higher education and research centres is an important part of its corporate philosophy.

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About FARSOON

FARSOON Technologies, founded in 2009 in China, is a system supplier of industrial grade plastic laser sintering and metal laser melting systems. Farsoon has developed a team of world-class experts with competencies in electrical/mechanical engineering, laser, scanning and optics, thermal controls, as well as material development and applications engineering. As a globally diverse company, Farsoon was founded with the clear vision and core commitment to creating open platform systems which will give the industry the freedom to innovate and expand the implementation of Additive manufacturing in the global product's marketplace.

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Learning from the market about customer needs, Farsoon has moved to address the need for higher levels of productivity, improved feature details, and enhanced operational efficiency and flexibility. Farsoon's latest innovations like the Continuous Additive Manufacturing Solutions (CAMS) and the very accurate and ultra-fast Flight™ Technology stand for highest production rates and real industrial use of Additive Manufacturing.

Farsoon's subsidiary FARSOON Europe GmbH (Stuttgart, Germany) provides the whole range of machine portfolio after technical confirmation in China, as well as local service and maintenance activities.

Forward-looking statements

This news release may contain forward-looking statements based on current assumptions and forecasts made by Farsoon and/or toolcraft. Various known and unknown risks, uncertainties and other factors could lead to material differences between the actual future results, financial situation, development or performance of the company and the estimates given here. These factors include those discussed in public reports which are available at www.farsoon.com or www.toolcraft.de. The companies assume no liability whatsoever to update these forward-looking statements or to conform them to future events or developments.