Press release

A multilaser for high standards of quality

toolcraft's latest purchase marks a continuation of its successful and long-standing partnership with Trumpf.

Georgensgmünd (Germany), 12 February 2024: As a pioneer in additive manufacturing, toolcraft AG has always constantly expanded its fleet of machinery. And from the start, the medium-sized family company has been relying on technology from Trumpf. To meet the latest standards, toolcraft recently invested in a new Trumpf machine – a TruPrint 3000 with two lasers.

Additive manufacturing at the cutting edge of technology

toolcraft's fleet of additive manufacturing machinery already includes ten laser powder-bed fusion (L-PBF) machines and two machines with powder nozzles. A few years ago, toolcraft invested in a customized laser metal deposition (LMD) machine with a powder nozzle from Trumpf, which features a horizontal and vertical rotary axis and set new standards for additive manufacturing. It can be used, for example, for extreme high-speed laser material deposition (EHLA), a process developed and patented by the Fraunhofer Institute for Laser Technology ILT. toolcraft also recently added a hybrid robot application for milling and laser metal deposition (LMD) to its fleet of machinery. The company is therefore already well placed to manufacture precision parts using the powder-bed technique and to coat, join and repair them using laser metal deposition. toolcraft has also had its additive manufacturing processes with TruPrint machines certified in accordance with ISO/ASTM TS 52930:2011 and 52920:2013, according to requirements for industrial additive manufacturing processes, qualification principles and production sites. This certification is important for systems that are used in the medical engineering, aerospace and semiconductor sectors.

toolcraft's latest acquisition – a TruPrint 3000 with two lasers and a complete set of monitoring systems – meets the ever-increasing demands for quality. "Stable processes, reproducibility, service and data security were important criteria for us during the decision-making process. As a long-standing partner, Trumpf has proven itself time and time again over our many years of working together and totally convinced us on all these points," says Stefan Auernhammer, Additive Manufacturing Business Unit Manager at toolcraft. toolcraft is primarily planning to use its new machine for series production for the semiconductor, aviation and pressure equipment sectors. "We want to use the integrated melt pool monitoring system to expand our knowledge of the process and we are confident that we can take the quality, reliability and efficiency of the melting process to the next level," adds Stefan Auernhammer.

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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.