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**Renishaw to showcase innovative additive manufacturing solutions at EMO Hannover 2023, Germany**

Global precision engineering and manufacturing technologies company, [Renishaw](https://www.renishaw.com/en/renishaw-enhancing-efficiency-in-manufacturing-and-healthcare--1030?utm_source=Stone+Junction&utm_medium=Hard+news&utm_campaign=EMO+Hannover+2023&utm_id=REC676), will display its end-to-end additive manufacturing (AM) solutions at EMO Hannover 2023 in Germany from the 18th to 23rd of September. On stand B32 in Hall 6, Renishaw will demonstrate its additive manufacturing capabilities and how they integrate into the end-to-end process chain, as well as insight into how to use AM to support the future of business and sustainability.

On its stand, Renishaw will feature its ultra-high productivity, multi-laser additive manufacturing system, the RenAM 500Q. The system features four high-power 500 W lasers, each able to access the whole powder bed surface simultaneously, helping to achieve significantly higher build rates, improve productivity and lower the cost per part. The system also facilitates build data collection, which manufacturers can use to optimise the manufacturing process and validate that the process and parts meet relevant criteria.

“The show is a great opportunity to highlight how additive manufacturing is increasingly suitable for mass production in a range of industries,” said Louise Callanan, Director of Additive Manufacturing at Renishaw. “Traditionally, AM was reserved for high value, low volume applications such as producing prototypes or one-off components. As the technology has developed, AM can be scaled-up to produce much larger volumes of end-use engineered components which still pass rigorous quality control tests.”

“By attending EMO we aim to demonstrate how manufacturers can successfully adopt AM as part of their end-to-end manufacturing process. Introducing AM systems, such as the RenAM 500Q, will provide the speed, accuracy and flexibility required to meet demand, while also reducing cost per part and use of resources.”

Additive manufacturing offers scope for reducing both material usage and the potential to decrease the carbon footprint of components, without compromising on quality. Most powder not used in the manufacturing process can be collected and recycled, whilst design for AM allows latticing and lightweighting of parts which is not possible with traditional techniques.

“As part of EMO Hannover’s focus on sustainability this year we also want to demonstrate the role of AM in the future of manufacturing. We hope to share experiences with other manufacturers about the positive steps we can make to meet sustainability goals in manufacturing, both in AM and further afield,” concluded Callanan.

[EMO Hannover](https://emo-hannover.com/) is the world's leading trade fair for production technology. The show champions ‘Innovative Manufacturing’ and provides a platform for innovators to demonstrate the latest trends in the field.

For further information on the end-to-end process, visit Renishaw’s [website](https://www.renishaw.com/en/renishaw-enhancing-efficiency-in-manufacturing-and-healthcare--1030?utm_source=Stone+Junction&utm_medium=Hard+news&utm_campaign=EMO+Hannover+&utm_id=REC676).

**-ENDS-**

**Notes to editors**

Renishaw is a world leading supplier of measuring systems and production systems. Its products give high accuracy and precision, gathering data to provide customers and end users with traceability and confidence in what they’re making. This technology also helps customers to innovate their products and processes.

It is a global business, with over 5,000 employees located in the 36 countries where it has wholly owned subsidiary operations. The majority of R&D work takes place in the UK, with the largest manufacturing sites located in the UK, Ireland and India.

For the year ended June 2022 Renishaw recorded sales of £671.1 million of which 95% was due to exports. The company’s largest markets are China, USA, Japan and Germany.

Renishaw is guided by its purpose: Transforming Tomorrow Together. This means working with customers to make the products, create the materials, and develop the therapies that are going to be needed for the future.

Further information at [www.renishaw.com](http://www.renishaw.com/)