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**Renishaw unveils dual laser AM system at Formnext 2024**

During the first day (November 19th) of the Formnext 2024 tradeshow, global engineering technologies company, [Renishaw](https://www.renishaw.com/en/metal-3d-printing--32084?utm_source=StoneJunction&utm_medium=HN&utm_campaign=500D&utm_id=REC772&utm_term=Dual_laser_AM&utm_content=owned), launched the latest in its [RenAM 500 series](https://www.renishaw.com/en/renam-500-metal-additive-manufacturing-3d-printing-systems--37011) of metal additive manufacturing machines — the [RenAM 500D](https://www.renishaw.com/en/49387). This dual laser variant provides additive manufacturing (AM) users with flexibility, productivity and cost-efficiency, lowering the entry barrier to highly productive metal AM. Renishaw will host demonstrations of the new system on its stand, Hall 11.0, Booth C11, throughout Formnext.

The new machine is designed to offer exceptional product quality and productivity for a wider range of budgets. The RenAM 500D features two 500 W lasers that can access the entire build platform, delivering superior performance when compared with single laser systems. Additionally, the RenAM 500D Ultra, fitted with Renishaw’s TEMPUS™ technology, allows the laser to fire while the recoater is moving, saving up to nine seconds per build layer. This also helps to deliver a production speed up to three times faster than conventional single laser systems.

“The new dual laser system enhances the current RenAM 500 portfolio, providing exceptional productivity at a competitive cost,” explained Louise Callanan, Director of Additive Manufacturing at Renishaw. “By making high-quality AM systems more productive than ever, we aim to lower the entry barrier to this advanced technology and encourage wider adoption across different industries.”

The dual laser configuration of the new RenAM 500D series delivers higher throughput and reduced production times compared with single laser systems, helping to reduce cost per part. The improved speed and output of dual laser systems, including the 500D, 500D Flex and 500D Ultra, enables companies currently using single laser systems to dramatically expand their production capabilities without expanding their factory footprint.

The RenAM 500D models are fully compatible with Renishaw’s AM software suite, including Renishaw Central and QuantAM. This seamless integration ensures that current AM users can introduce the dual laser system to operations without any interruptions to current workflows.

The RenAM 500D joins the RenAM 500 series; a versatile range of solutions that cater to every stage of the additive manufacturing journey, from initial prototyping to full-scale production. Machines in Renishaw’s RenAM 500 series are equipped with high powered lasers that access the whole powder bed, intelligent gas flow for superior part quality and configurable powder handling.

The RenAM 500D is available to order now. For further information on Renishaw’s additive manufacturing offering, visit [www.renishaw.com/en/metal-3d-printing](https://www.renishaw.com/en/metal-3d-printing--32084?utm_source=StoneJunction&utm_medium=HN&utm_campaign=500D&utm_id=REC772&utm_term=Dual_laser_AM&utm_content=owned).

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**Notes to editors**

**About Renishaw**

Renishaw is a world leading supplier of measuring systems and manufacturing 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 its 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 2024 Renishaw recorded sales of £691.3 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 its 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/)