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**Domin chooses RenAM 500Q Ultra to supercharge hydraulic valve production**

Global engineering technologies company, [Renishaw](https://www.renishaw.com/en?utm_source=Stone+Junction&utm_medium=pressrelease&utm_campaign=rec873&utm_id=rec873&utm_term=rec873), has supplied Domin, a leading manufacturer of high-performance hydraulic valves, with a [RenAM 500Q Ultra](https://www.renishaw.com/en/renam-500-ultra--48428?utm_source=Stone+Junction&utm_medium=pressrelease&utm_campaign=rec873&utm_id=rec873&utm_term=rec873) metal additive manufacturing (AM) system. Domin will use the system to increase production of its range of servo proportional hydraulic valves at its new Technology Centre near Bristol, UK.

The RenAM 500Q Ultra is the latest addition to Renishaw's RenAM 500 series of laser powder bed fusion (LPBF) systems. It can improve metal AM capability significantly, using Renishaw's patented [TEMPUS™ technology](https://www.renishaw.com/en/tempus-technology--48426) to reduce build times by up to 50% while maintaining high pat quality. TEMPUS technology allows the lasers to fire while the powder recoater is moving, significantly boosting productivity. The system also includes advanced process monitoring software, providing detailed insights into the build process and ensuring consistent high quality.

Domin had already purchased a [RenAM 500Q](https://www.renishaw.com/en/renam-500q--48429) AM system in 2023. Having reached its production capacity, the company required additional capabilities to meet growing market demand. The new RenAM 500Q Ultra — Renishaw's highest productivity system — will enable Domin to fulfil this need.

"The installation of a new Renishaw 500Q Ultra marks another exciting milestone in Domin's growth journey," said Marcus Pont, Chief Executive and co-founder of Domin. "This state-of-the-art technology will further enhance our manufacturing capabilities, allowing us to deliver even greater value to our customers. Our continued partnership with Renishaw is an example of our commitment to innovation and operational excellence."

Domin’s valves are designed to meet the rigorous demands of industries such as automotive, aerospace and manufacturing. By using metal AM, Domin can create complex geometries with internal features that are not possible with traditional subtractive manufacturing methods, resulting in parts with a good strength-to-weight ratio and reduced waste.

Domin’s innovative approach, combining AM with high-speed motor control, modern electronics, big data, and connected technology, aims to save the hydraulics industry one gigatonne of CO2e by 2030. The increased capacity provided by the RenAM 500Q Ultra will help Domin maintain low production turnaround times and deliver consistently high-quality products to its growing customer base.

“We're very pleased to have installed this RenAM 500Q Ultra system to enable Domin to supercharge their production,” said Josh Whitmore, Senior Technical Sales Engineer at Renishaw. “Our systems are designed and manufactured in the UK, and to sell to a UK volume producer of AM parts is a great result for UK plc and our wider manufacturing ecosystem.”

For further information on the RenAM 500 Ultra visit <http://www.renishaw.com/en/renam-500-ultra--48428>

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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 2023 Renishaw recorded sales of £688.6 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/)