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**ADDiVAL selects Renishaw’s RenAM 500Q Ultra system to boost its additive manufacturing processes**

[ADDiVAL](https://www.linkedin.com/company/addival/about/), the emerging specialist in industrial-scale additive manufacturing (AM), based in Barcelona, Spain, has purchased a [RenAM 500Q Ultra](https://www.renishaw.com/en/renam-500-ultra--48428) AM system from global engineering technologies company, [Renishaw](https://www.renishaw.com/en/additive-manufacturing-for-healthcare--44974?utm_source=Stone+Junction&utm_medium=HN&utm_campaign=KLS+Martin&utm_id=REC717&utm_term=Craniomaxillofacial+implants&utm_content=Owned). The RenAM 500Q Ultra will be used to boost the serial production of metal components, such as its innovative punch, which was developed as a collaboration between the Renishaw and ADDiVAL.

The patented punch is designed primarily for the tube bending and manufacturing industry, although it can also be adapted to other processes, such as sheet stamping. “Our output is between 100 and 120 punches per month,” said Borja Batlle, Director of ADDiVAL. “The punch meets industry standards of surface hardness (60 HRC), and it also includes heat treatment, anti-wear surface treatment and machining,” Batlle explains.

[TEMPUS™ technology](https://www.renishaw.com/en/tempus-technology--48426) had a large part to play in ADDiVAL’s choice of Renishaw’s additive manufacturing solution. “This technology allows the lasers to start work on manufacturing while the wiper supplies and positions each layer of powder, thereby increasing productivity and reducing the manufacturing cost per part,” said Marc Gardon, AM Applications Manager at Renishaw.

With TEMPUS technology, Renishaw, the UK-based multinational specialist in systems for intelligent manufacturing, measuring and additive manufacturing successfully solved an inefficiency in the traditional laser powder bed fusion (LPBF) production process. This was a key factor in ADDiVAL’s decision to select Renishaw additiive manufacturing technology to produce its punch, having tested other solutions, such as binder jetting, which had not achieved the efficiencies they were seeking.

The two companies announced their partnership during their appearance at the BIEMH (Bienal Internacional de Máquina-Herramienta – the International Machine Tool Biennial), which took place in Bilbao (Spain) from 3 to 7 June 2024.

For further information on Renishaw’s AM systems, visit [www.renishaw.com/am](http://www.renishaw.com/am)

**-ENDS-**

**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/)

**About ADDiVAL**

ADDiVAL is an emerging Catalan company that specialises in the design, development, manufacture and sale of highly specialised product ranges, all based on additive manufacturing methods, to improve the value chain of manufacturing industries. The company was established in 2021 and is based in Molins de Rei (Barcelona).