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**Renishaw showcases advances in additive manufacturing for dentistry at LMT LAB DAY Chicago**

To showcase the benefits of additive manufacturing (AM) in the healthcare sector, global engineering technologies company, [Renishaw](https://www.renishaw.com/enhttps:/www.renishaw.com/en/renishaw-enhancing-efficiency-in-manufacturing-and-healthcare--1030?utm_source=Stone+Junction&utm_medium=HN&utm_id=REC572), will exhibit at LMT LAB DAY Chicago from February 24th to February 26th, 2022. On stand #L24, Renishaw will demonstrate how manufacturers can use additive manufacturing systems to improve productivity, design flexibility and accuracy.

AM removes many constraints seen in more traditional manufacturing methods in the dental industry, such as milling or casting. This opens up new possibilities for dental laboratories to develop parts with complex geometries, or enable mass customisation of parts, at commercially viable costs.

At the event, Renishaw’s stand will feature a range of additively manufactured dental frameworks, including Removable Partial Dentures, crowns and bridges, and parts produced by medical device manufacturers. Visitors will also see how they can use Renishaw’s high productivity additive manufacturing systems to manufacture hundreds of frameworks during one build to improve productivity, while giving them more time for other processes.

“While LMT LAB DAY Chicago is an opportunity for the dental laboratory community to learn more about technologies that can improve their processes, we want to demonstrate the breadth of opportunities that are possible when using AM,” explained Chris Dimery, Sales & Marketing Manager for Renishaw’s Additive Manufacturing Group. “By showing parts produced for other medical and veterinary applications, laboratories can see how the design freedom of AM enables them to create parts with complex geometries that are not possible when using traditional methods.”

On its stand, Renishaw will showcase parts from various healthcare projects, including an additively manufactured thoracic implant designed and made by Osteobionix, a Spanish medical device specialist. Visitors to the stand will also see how veterinarians replaced hard tissue lost to tumour removal from a dog by additively manufacturing a snout implant. Both parts showcase the benefits of AM, showing that it offers greater design freedom and the possibility for mass personalisation, as well as flexibility when printing and mechanical matching.

Since its debut in 1985, LMT LAB DAY Chicago has grown to become the largest international gathering of the dental laboratory community in North America. The event brings manufacturers, technicians and other members of the dental community together to exchange information and ideas that will improve the industry.

For further information on the benefits of additive manufacturing in healthcare applications, visit [www.renishaw.com/am/healthcare](https://www.renishaw.com/en/additive-manufacturing-for-healthcare--44974?utm_source=Stone+Junction&utm_medium=HN&utm_id=REC572).

**-ENDS-**

**Notes to editors**

UK-based Renishaw is a world leading engineering technologies company, supplying products used for applications as diverse as jet engine and wind turbine manufacture, through to dentistry and brain surgery. It has over 5,000 employees located in the 37 countries where it has wholly owned subsidiary operations.

For the year ended June 2021 Renishaw recorded sales of £565.6 million of which 95% was due to exports. The company’s largest markets are China, the USA, Japan and Germany.

Throughout its history Renishaw has made a significant commitment to research and development, with historically between 13 and 18% of annual sales invested in R&D and engineering. The majority of this R&D and manufacturing of the company’s products is carried out in the UK.

The Company’s success has been recognised with numerous international awards, including eighteen Queen’s Awards recognising achievements in technology, export and innovation.

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