*September 2019 – for immediate release Further information: Chris Pockett, +44 1453 524133*

**Renishaw, Irish Manufacturing Research (IMR) and nTopology host webinar on additive manufacturing for spinal implants**

To strengthen the use of additive manufacturing (AM) for medical devices, global engineering technology company, Renishaw, is running a webinar alongside manufacturing research organisation, IMR, and software company, nTopology. On September 10th at 11:00 EST / 16:00 GMT / 17:00 CET, the three companies will discuss a recent joint project that combined Renishaw’s expertise in AM, IMR’s knowledge of medical device development and nTopology’s advanced design software to produce a new type of conceptual spinal implant. To sign up for the webinar, [click here](https://ntopology.com/webinar-streamlining-manufacturing-for-medical-implants/).

During the project, IMR designed a range of implants using software from nTopology, and produced them on a RenAM 500 series system. As part of the webinar, Mark Hartnett , Research Engineer at IMR will explain how AM can be used to manufacture spinal implants with lattice structures. Christopher Cho, Senior Application Egineer, from nTopology will also shed light on how software can enable the rapid creation of complex, performance driven designs for AM. nTopology’s platform allows users to create custom workflows to meet the exact requirements of a project.

Chris Dimery, Sales Manager at Renishaw’s Medical and Dental Products Division, will discuss Renishaw’s high-productivity, four-laser RenAM 500Q metal additive manufacturing system and how the technology can be applied to medical devices, specifically orthopaedic implants. During the spinal implant project, both the prototypes and the final demonstration devices were produced on a RenAM 500 series system.

“Spinal implants are used to restore intervertebral height in patients with conditions including degenerative disc disease, herniated disc, spinal stenosis and osteoporosis,” explained Dimery. “Lattices offer a high surface area  to volume ratio, a characteristic that is highly desirable to spinal implant manufacturers and something that AM is uniquely placed to deliver.”

“The webinar will pass on the AM knowledge and understanding which the three companies have gained through working on this project,” added Dimery.“We will share information on how to make the process smooth and efficient.”

To read the full case study ahead of the webinar, visit [https://www.renishaw.com/en/streamlining-additive-manufacturing-for-spinal-implants--44281.](https://www.renishaw.com/en/streamlining-additive-manufacturing-for-spinal-implants--44281) To sign up to the webinar, visit <https://ntopology.com/webinar-streamlining-manufacturing-for-medical-implants/>.

**-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 5,000 employees located in the 36 countries where it has wholly owned subsidiary operations.

For the year ended June 2019 Renishaw recorded sales of £574 million of which 94% was due to exports. The company’s largest markets are the USA, China, 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](https://eur03.safelinks.protection.outlook.com/?url=https%3A%2F%2Frenishawplc-my.sharepoint.com%2Fpersonal%2Flp138190_renishaw_com%2FDocuments%2Fwww.renishaw.com&data=02%7C01%7CAnwen.Bowers%40Renishaw.com%7C5eadea356e634ef923ff08d71677882d%7Cbe3b1b3bae03462ebf694110e380dc7b%7C0%7C0%7C637002574942776218&sdata=Hm6zax176mU7IZkOZ2E2J7z%2FQW8X9MQXK6Q5MowLovw%3D&reserved=0)