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**Renishaw partners with Advanced Digital Technology Foundation**

Global [engineering and healthcare technology](http://www.renishaw.com/en/medical-and-healthcare--32082) company, Renishaw, has become a gold sponsor of North American based [head and neck reconstruction](https://www.adt-foundation.com/) organisation, Advanced Digital Technology (ADT) Foundation. As a result of this participation, Renishaw can share its knowledge and expertise in digital technology with industry clinicians and scientists.

ADT Foundation is a volunteer-run organisation that was created to enhance the use of digital technologies in reconstruction of the head and neck. To do this, it brings together clinicians, clinical scientists and pure scientists. These experts share knowledge, findings and ideas at conferences, workshops and symposia.

The aim of ADT Foundation is to identify new digital technologies that can transform this area of healthcare and is the only organisation that is dedicated to this specific application.

Renishaw has been developing its expertise in using additive manufacturing to produce patient-specific titanium craniomaxillofacial (CMF) implants. These implants are produced from digital designs based on data from CT scans. Additionally, the implantation procedure can run more smoothly as the implants are specifically tailored to the patient.

Through this sponsorship Renishaw can encourage industry collaboration and advancements by attending ADT Foundation events and speaking about its technologies, showcasing its products and running workshops.

“Reconstruction is a life changing procedure for cancer patients with head and neck tumours,” explained Ed Littlewood, Marketing Manager of Renishaw’s Medical and Dental Products Division. “The procedure aims to improve cosmetic and functional deficits that can otherwise lead to psychological, physical and occupational disabilities.

“With the introduction of pioneering digital technology and the communication and education support around the industry, clinicians will be able to avoid these detrimental consequences in patients.”

“Renishaw is a pioneer in the development of additive manufacturing and its applications,” explained Dr Dominic Eggbeer, Head of Surgical and Prosthetic Design at PDR and Treasurer of the ADT Foundation. “The company’s unique perspective as a global engineering company can give clinicians and other healthcare professionals the latest insight of a leading additive manufacturing expert.

“Ultimately this could enable surgeons to treat more patients and save costs due to reduced surgery time and number of surgeries per patient. Patients will also benefit as they may only require one operation and their recovery time is likely to be reduced due to the accurate fit of the implant.”

Renishaw is a world-leading engineering company with expertise in additive manufacturing for the healthcare sector. It partners with many industry bodies, charities and organisations to further the use of innovative products in healthcare, to improve procedure times and patient outcomes.

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

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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 4,000 employees located in the 35 countries where it has wholly owned subsidiary operations.

For the year ended June 2017 Renishaw recorded sales of £536.8 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 14 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)