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**Real-time monitoring for additive manufacturing (AM) at Formnext 2019**

As Formnext, the leading global exhibition and conference on additive manufacturing (AM), approaches, global engineering company, [Renishaw](https://www.renishaw.com/en/renishaw-enhancing-efficiency-in-manufacturing-and-healthcare--1030?utm_source=StoneJunction&utm_medium=Press+release&utm_campaign=REN446), is preparing to showcase its AM technologies in Frankfurt, Germany. On Wednesday, 20 November at 3:30 to 3:45 pm, Renishaw will be on the TCT Introducing Stage in Hall 11 to present its real-time process monitoring systems for AM.

David Ewing, Additive Manufacturing Product Manager at Renishaw, will deliver a talk titled ‘Real-time process monitoring accelerates process development and streamlines process control’. While AM enables quick and customisable production of complex designs, the risk of imperfections poses challenges for many in the industry.

As metal AM becomes more widely-adopted in global production processes, industry will need a reliable method to detect defects at high speeds with impeccable accuracy. With this in mind, Renishaw will be showcasing InfiniAM Spectral, a software product capable of real-time process monitoring.

InfiniAM Spectral allows manufacturers to analyse processes in 3D as designs are built, which improves understanding of build quality. When used with the intelligent sensing capabilities of Renishaw RenAM systems, InfiniAM Spectral software allows users to view and analyse the hidden details of metal AM products, increasing confidence in the build process.

“As metal AM becomes widely-adopted in the production process, a reliable method is needed that can detect, identify and eliminate the causes of defects,” explains Robin Weston, Marketing Manager for Renishaw’s Additive Manufacturing Products Division. “Real-time spectral monitoring can provide necessary high-speed and high-resolution data, which enables traceable production and rapid process optimisation, to help ensure parts meet the necessary quality standards required in critical applications.

Renishaw can also be found on stand D15 in Hall 11.0 between 19-22 November, where it will exhibit its wide range of new and established AM products, software and systems.

Renishaw will also showcase case studies of some of its collaborations, such as with the Brunel University Formula Student racing car. The vehicle demonstrates the effectiveness of AM in automotive applications by creating a custom manifold part using Renishaw’s multi-laser RenAM 500Q systems.

To find out more about how Renishaw’s AM solutions can help your business, visit [https://www.renishaw.com/additive](https://www.renishaw.com/en/additive-manufacturing-systems--15239?utm_source=StoneJunction&utm_medium=hard+news&utm_campaign=REN445).

**-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://renishawplc-my.sharepoint.com/personal/lp138190_renishaw_com/Documents/www.renishaw.com)