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**Renishaw showcases technologies for the factory of the future at IMTS 2022**

Global engineering technologies company, [Renishaw](https://www.renishaw.com/en/renishaw-enhancing-efficiency-in-manufacturing-and-healthcare--1030?utm_source=Stone+Junction&utm_medium=HN&utm_campaign=REC629), will attend the International Manufacturing Technology Show (IMTS) from September 12th to 17th, 2022 at McCormick Place, Chicago. Across three booths, Renishaw will demonstrate how manufacturers can use the latest industrial metrology innovations to optimize their processes. Visitors can discover the benefits of part measurement, machine calibration and motion control at the quality assurance stand on booth 135509. It will showcase its latest end-to-end solutions for additive manufacturing (AM) on booth 433239. Renishaw will also encourage the next generation of engineers with its educational stand on booth 215321.

“Attending IMTS enables visitors to realize our vision in action – how we enable the factory of the future today. Our innovative manufacturing technologies and expertise deliver on manufacturing precision, productivity, and practicality,” explained Denis Zayia, President at Renishaw Inc. “Renishaw is about to celebrate a significant milestone of supporting our customers for 50 years. As a world class manufacturer ourselves, we have faced the same manufacturing challenges as many of our customers. In those 50 years we have been able to overcome these challenges by implementing innovative strategies and products developed in house. Our consultative approach with customers allows us to share those experiences and offer them new perspectives.”

On booth 135509, visitors can explore the benefits of the latest Renishaw technologies for part measurement, machine calibration and ensuring quality assurance. Renishaw will showcase the latest version of its [XK10 alignment laser system](https://www.renishaw.com/en/xk10-alignment-laser-system--44377?utm_source=Stone+Junction&utm_medium=HN&utm_campaign=REC637) software, which allows users to perform point-to-point parallelism measurements. The stand will also include a range of modular metrology fixturing to hold parts securely on co-ordinate measuring machines (CMMs), Renishaw Equator™ gauging systems and vision systems.

Visitors will also be able to see Renishaw’s new ultrasonic thickness measurement sensor on the multi-sensor REVO® system, demonstrated on aerospace components. The RUP1 probe increases the multi-sensor capability of the REVO system by adding ultrasonic thickness inspection to the existing product range. Ultrasonic thickness measurement delivers clear advantages over traditional tactile probing techniques for parts where access to internal features is challenging. Aircraft landing gear parts, power generation drive shafts, and hollow aerospace blades are all parts where the RUP1 probe will provide benefits.

For automotive manufacturers, Renishaw will be showing examples of essential process control routines. It will demonstrate the ability to significantly increase access to EV stator inspection points, along with the latest advancements for precision ICE component measurement. Renishaw technology is helping manufacturers achieve major performance improvements by working to ever tighter tolerances, especially in the critical area of engines and powertrain.

Renishaw’s additive manufacturing stand, on booth 433239, will highlight how manufacturers can benefit from using AM in their production processes by showcasing its range of additive manufacturing solutions, including the RenAM 500Q and RenAM 500S systems. Both systems feature high power 500W lasers and the RenAM 500Q integrates four lasers to minimise build time. Renishaw is the only company in the 3D printing industry to offer the technologies and expertise that provide both highly productive metal 3D printing and control of finishing and downstream processes.

Additionally, Renishaw is participating in the Student Summit, a collection of educational booths for students to encourage them to consider an engineering career. On booth 215321, Renishaw will demonstrate its Equator™ gauge, which is used by the National Institute for Metalworking Skills (NIMS) to showcase its rapid gauging results. Giving students the opportunity to learn about engineering technologies in person allows them to make an informed choice about their future career and engineering speciality. By introducing students to engineering throughout their education, the engineering industry can continue to attract a diverse group of people and make students aware that it is an attractive career choice available to them.

Register for the event at [https://www.imts.com/show/reg](https://www.imts.com/show/reg.cfm?utm_source=Stone+Junction&utm_medium=HN&utm_campaign=REC629) and see Renishaw’s quality assurance stand on booth 135509, its AM stand on booth 433239 in the additive pavilion, and its educational stand on booth 215321. Find out more about Renishaw’s latest industrial metrology innovations at

[www.renishaw.com/virtualexpo](http://www.renishaw.com/virtualexpo)

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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 5,000 employees located in the 36 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 recognized 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/)