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**Renishaw to demonstrate its additive manufacturing and intelligent process control systems at Farnborough International Airshow 2018**

At Farnborough International Airshow 2018, Renishaw, a world leading engineering technologies company will exhibit its precision measurement and metal additive manufacturing (3D printing) solutions in hall 1, stand 1210. The company supplies products and services used in a diverse range of applications such as jet engine and wind turbine manufacture, through to dentistry and brain surgery. Between the 16th – 22nd July Renishaw will demonstrate to visitors the advantages of their measurement and additive manufacturing technology and how it can be integrated into a production process to achieve intelligent manufacturing.

Visitors to this leading UK exhibition will see the RenAM 500M additive manufacturing system and be able to discuss Renishaw’s range of products with one of its experts, including the new RenAM 500Q quad laser system. The new system improves productivity by up to four times without increasing platform size or compromising on the quality achieved with a single-laser system. As with all Renishaw systems it uses laser powder bed fusion technology specifically designed to produce metal components on the factory floor. Further offerings in additive manufacturing include InfiniAM Central and InfiniAM Spectral process monitoring and planning software, which provide manufacturers with feedback from the additive manufacturing build in real-time.

Renishaw will also exhibit its new EquatorTM 500 gauging system with intelligent process control (IPC) software. The Equator 500 gauge builds on the proven platform of the Equator 300 gauging system with the added capability of gauging larger parts, with a working volume of 500 mm in diameter and up to 400 mm in height. Like all Equator systems it remains accurate between 5oC and 50 oC at any rate of temperature change, and is capable of scanning speeds in excess of 200 mm/s. IPC software for Equator systems allows for automatic updates of tool offsets in the CNC manufacturing process ensuring part dimensions remain well within process control limits. The software improves machining capability by reducing setting and adjustment time and enabling integration with automation systems. Any drift is corrected in real-time.

Renishaw has extensive experience in working closely with its customers to successfully introduce automated process control solutions into manufacturing operations, with a global network of experienced applications engineers providing technical support for innovative manufacturing

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