*16th December 2016*

**Renishaw’s LiveTrack™ focus-tracking technology wins an award**

Renishaw, the global engineering technologies company, is delighted to have won an award for its real time focus-tracking technology for Raman imaging - LiveTrack. The Analytical Scientist Innovation Awards (TASIAs) 2016 are organised by The Analytical Scientist magazine and voted for by a judging panel comprising of three independent experts and The Analytical Scientist editorial team.

TASIAs, which are now in their fourth year, highlight and celebrate the best analytical advances of the year and showcase the instruments and technologies that are anticipated to have a game-changing impact on analytical science. The judges commented, “Most imaging techniques require a flat surface, but most real samples are complex. LiveTrack allows imaging of real samples as they are, greatly extending the application of Raman imaging.” They continued, “Sample preparation for Raman is complex and may change the sample. With this method, Raman imaging becomes easier, more reliable – and more real.”

“This is the first award for our new LiveTrack technology, so we are delighted to be announced as a winner”, said Simon Holden, Director and General Manager of Renishaw’s Spectroscopy Products Division. “LiveTrack transforms Raman imaging by making the real-time acquisition of in-focus images of non-flat surfaces a reality. It expands the range of samples that can be quickly and easily analysed without preparation, including uneven, curved or unusual shapes, and sample survey and review under white light couldn’t be easier. We are thrilled that this unique technology has been recognised.”

Renishaw’s Raman microscopes use a form of light scattering (Raman scattering) to analyse the chemical structure and composition of materials. Raman analysis is of major benefit to industrialists and academics who use Renishaw systems to analyse samples covering a diverse range of application areas, including rocks and minerals, pharmaceutical tablets, cells and tissue, chemicals, nanomaterials, forensics, antiquities and semiconductors.

LiveTrack is incorporated in Renishaw’s new inVia Qontor confocal Raman microscope and the new RA802 Pharmaceutical Analyser. It removes the need for manual focusing, pre-scanning or sample preparation (to give a flat surface). Uniquely, LiveTrack provides continuous feedback to the sample stage, which adjusts to follow the height of the sample. Users can track the surface of a sample, live, while acquiring surface or subsurface Raman data. LiveTrack opens the door to a new era of applications and measurement simplicity.

Please visit [www.renishaw.com/livetrack](http://www.renishaw.com/livetrack) for further details about Renishaw’s LiveTrack technology.

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**About Renishaw**

Renishaw is one of the world's leading engineering and scientific technology companies, with expertise in precision measurement and healthcare. The company supplies products and services used in applications as diverse as jet engine and wind turbine manufacture, through to dentistry and brain surgery. It is also a world leader in the field of additive manufacturing (also referred to as 3D printing), where it is the only UK business that designs and makes industrial machines which ‘print' parts from metal powder.

The Renishaw Group currently has more than 70 offices in 35 countries, with over 4,000 employees, of which 2,700 people are employed within the UK. The majority of the company's R&D and manufacturing is carried out in the UK and for the year ended June 2016 Renishaw achieved sales of £436.6 million of which 95% was due to exports. The company's largest markets are the China, USA, Germany and Japan.

The Company's success has been recognised with numerous international awards, including eighteen Queen's Awards recognising achievements in technology, export and innovation. Renishaw received a Queen’s Award for Enterprise 2014, in the Innovations category, for the continuous development of the inVia confocal Raman microscope. For more information visit [www.renishaw.com](http://www.renishaw.com)

### **For further information**

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