Issued: 14th February 2014

## Raman images faster than ever before

**Renishaw’s new StreamLineHR™ *Rapide* option for its inVia Raman microscope enables the rapid collection of large amounts of Raman data. With this capability, and inVia’s high sensitivity, users can generate high definition chemical images quickly.**

**Faster imaging**

Tight integration between Renishaw’s detector and motorised sample stage enables very rapid imaging (detector spectrum readout rate over 1000 s-1). Coupled with large file handling this means it is easy to produce highly detailed Raman images with extreme speed.

**Detailed and efficient**

With enhanced signal-to-noise ratios, accurate measurements are achieved even where extremely low signal levels are present. Users can export high definition (megapixel) Raman images to see data in all its detail and because there is no inherent file size limit, it is also possible to record tens of millions of spectra in a single file.

**Every millisecond counts**

For more information please contact your local sales representative or see Renishaw at one of the many worldwide events we attend, where the company’s team of Raman experts will be happy to demonstrate this exciting new capability.

Find us at an event near you. www.renishaw.com/RamanEvents

Image: StreamLineHR *Rapide* image of single-layer graphene (red) and multi-layered graphene (green) on a Si/SiO2 substrate. The data, comprising 52,136 spectra, were collected at a rate of 700 spectra / s.

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## Notes to editors

### Renishaw profile

Renishaw is a world leader in metrology and spectroscopy technologies, with a strong history of innovation in product development and manufacturing.

Since its formation in 1973, Renishaw has supplied companies small and large, worldwide, with innovative products that increase process productivity, improve product quality, and deliver cost-effective automation solutions.

A high level of investment in research and development (R&D) has resulted in developments across a wide range of other product areas, including Raman microscopes for the spectral analysis of materials. Historically total annual expenditure on R&D, including related engineering costs, has amounted to between 14% and 18% of turnover.

With more than 70 operations in 32 countries, and over 3,300 employees, Renishaw’s customers are strongly supported throughout the world with outstanding technical expertise and service.

### For further information

Please contact:

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