*January 2020 – for immediate release Further information: Chris Pockett, +44 1453 524133*

**Renishaw launches Advanced Diagnostic Tool ADTa-100 for absolute encoders**

Renishaw, the global engineering technologies company, will launch a new addition to its Advanced Diagnostic Tool (ADT) family of encoder tools for encoder installation at SPIE Photonics West 2020, from 4–6 February.

The ADTa-100 interface serves as an installation tool and diagnostic accessory designed to be used with Renishaw’s rotary and linear absolute optical encoders. It acquires comprehensive real-time data from the readhead which assists with quick and easy encoder installation, and in-field fault finding, potentially saving time and reducing installation and maintenance costs.

ADTa-100 can be operated in both stand alone mode and in conjunction with a PC. In stand alone mode, connected to a power supply or a battery, the signal size and encoder status is indicated through a built-in array of seven multicolour LEDs. For enhanced functionality, including the ability to change the encoder scale zero position, the user can connect ADTa-100 hardware, via a standard USB connector, to a PC running Renishaw’s ADT View software.

ADT View software provides a user-friendly graphical interface of advanced diagnostic information from Renishaw encoders, including signal size, Lissajous plots, position DRO and system configuration information. The software is compatible with Renishaw's latest incremental and absolute encoders and is freely available as a download from the Renishaw website.

ADTa-100 hardware has a compact form factor, which allows for easy storage, transport and usage. It is a powerful tool for users of Renishaw’s range of state-of-the-art absolute optical encoders.

Please ask your local Renishaw representative for further information about ADTa-100, the ADT family and Renishaw encoders.

Visitors to SPIE Photonics West are invited to talk with our experts on booth 5458 about their metrology challenges and Renishaw’s encoder solutions.

For further information on ADT tools, visit [www.renishaw.com/adt](http://www.renishaw.com/adt)

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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 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)