

## Leading encoder supplier to participate in Linear Motion Masterclass

**Renishaw, together with three other leading suppliers in the field of motion control, is supporting a linear motion conference organised by Eureka, a UK trade magazine for design engineers. The Linear Motion Masterclass is one of a series of the magazine's 'Design Days', and takes place on 18th March 2008 at the Kaetsu Centre, Cambridge, UK.**

The event will focus on how linear motion is moving into the realm of high accuracy and precision applications, thanks to ongoing refinements in linear motors, position feedback encoders and materials advances. These changes are expected to help push linear motion even deeper into applications such as medical devices and machine tools.

The Linear Motion Masterclass 2008 will help design engineers learn how to achieve linear motion economically and efficiently, using the most appropriate techniques. Key issues covered will include the latest bearing technologies, increasing knowledge of position feedback devices to optimise overall system performance, appropriate applications for hydraulics and pneumatics, how to ensure that modern materials survive in the toughest of environments, and the reduction of build costs through the use of laser interferometric diagnostic tools to identify any over-engineering of machine structures.

As part of the event, there will be two keynote speakers. Professor Paul Shore, director of Cranfield University's Precision Engineering Centre, will explain how high precision linear motion is a critical factor in the BoX (Big OptiX) machine, an ultra-precision free form grinding and measuring machine that is used to produce optical parts for telescopes. There will also be a presentation from Philips Applied Technologies, which has developed a number of linear motion technologies, ranging from a magnetic levitation device to a linear motor that moves in two axes.



Renishaw will discuss how to reduce machine build costs through the use of laser interferometric diagnostic tools

Attendees will also benefit from a range of other technical presentations, case study examples, hands-on training workshops and interactive displays, with further explanation of the technology behind direct drive linear motion and the potential benefits that it offers designers. The event is supported by four key suppliers in the field of linear motion; Aerotech (motors), Igus (bearings/slides), Renishaw (encoders) and Steinmeyer (linear ballscrews).

### **About Renishaw plc**

Renishaw plc is one of the world's leading metrology and spectroscopy companies, and has been honoured with twelve Queen's Awards to date.

To book a place at the event visit Eureka's Design Days website ([www.designdays.co.uk](http://www.designdays.co.uk))

For further information about Renishaw's range of encoders, please visit [www.renishaw.com/encoders](http://www.renishaw.com/encoders)