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**Renishaw 3D prints gift for HRH The Princess Royal**

Global [engineering technology firm Renishaw](http://www.renishaw.com/en/renishaw-enhancing-efficiency-in-manufacturing-and-healthcare--1030) has 3D printed a special gift fit for royalty. The company additively manufactured a replica of its nineteenth century Mill headquarters building and gave the unique piece to Her Royal Highness, The Princess Royal, when she officially opened Renishaw's new Innovation Centre and presented the company with its eighteenth Queen's Award. The visit came 35 years after HRH The Princess Royal opened an extension to the company’s first commercial premises.

The replica of the mill building was additively manufactured in titanium using Renishaw's AM250 machine. The part was produced in one build that took three days to manufacture before it was heat treated for stress reduction and after a further finishing process was mounted on a piece of treated pine taken from an original beam in the 1802 mill building.

"A few years ago we milled a replica of our Mill HQ building so we already had CAD designs that we could edit to optimise for the additive process," explained Jeremy Pullin, Rapid Manufacturing Manager at Renishaw. "This meant adding channels to allow powder to run off. It also gave us design freedom to be able to add minute definition - like roof tiles and window detailing.

"The original milled model was made from solid aluminium and produced in multiple parts - as you can imagine, it was quite heavy. The flexibility of the additive manufacturing process allowed us to produce the piece as one hollow part, reducing weight and production time."

Renishaw's new £20 million Innovation Centre at its HQ site near Wotton-under-Edge, Gloucestershire, gives the company an additional 153,000 sq ft of space for research and development and corporate services staff, as well as demonstration, training and conference facilities.

It is one of a series of significant investments that Renishaw is making to secure its future growth in the UK, and in its many overseas markets. This includes a new 90,000 sq ft facility for its Additive Manufacturing Products Division, based in Stone, Staffordshire, UK.

HRH The Princess Royal visited Renishaw once before in 1980, when the company had just one facility and employed around 100 people. The Renishaw Group now has more than 70 offices in 33 countries, with over 4,000 employees worldwide. Ends

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 over 4,000 employees located in the 33 countries where it has wholly owned subsidiary operations.

For the year ended June 2015 Renishaw recorded sales of £494.7 million of which 95% was due to exports. The company’s largest markets are China, the USA, South Korea, Germany and Japan.

Throughout its history Renishaw has made a significant commitment to research and development, with historically between 14 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, where due to strong growth it currently has over 100 vacancies.

The Company’s success has been recognised with numerous international awards, including eighteen Queen’s Awards recognising achievements in technology, export and innovation.

Renishaw is listed on the London Stock Exchange (LSE:RSW) where it is a constituent of the FTSE 250, with a current valuation of around £1.6 billion.

Further information at [www.renishaw.com](http://www.renishaw.com)