

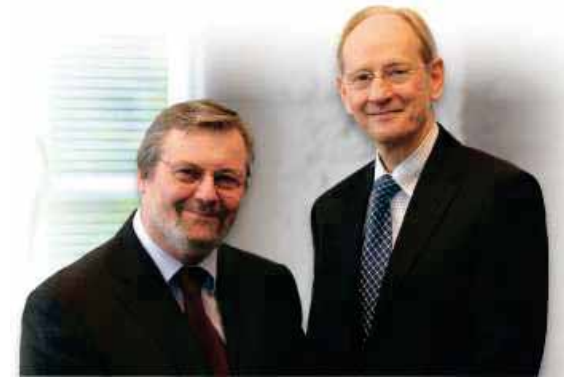
# Renishaw plc visits



Rebecca Bound – Education Outreach Officer

# The story behind Renishaw

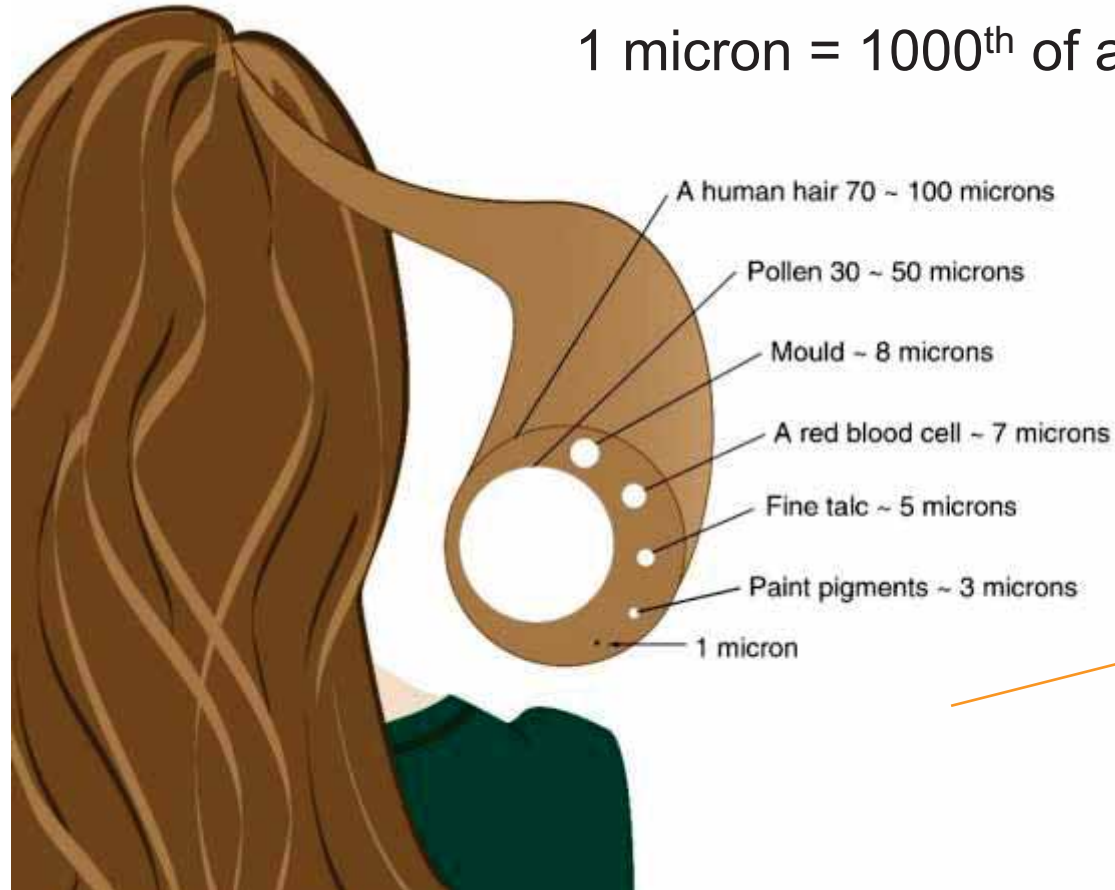
- Founded 1973 by Sir David McMurtry and John Deer
- Sir David McMurtry worked on Concorde Engines built by Rolls-Royce
- He was given a measurement inspection problem – to measure the fuel pipes in the engine
- Over a weekend, he invented the touch-trigger probe which solved the problem
- Patented this product, thus establishing Renishaw with John Deer



40 years later this device is used all over the world (Modernised version)  
With the purpose to measure things **ACCURATELY**.

Renishaw measures things to 1 micron or better!

1 micron = 1000<sup>th</sup> of a millimetre



# What we make

Probes to measure all shapes and sizes used in advanced manufacturing

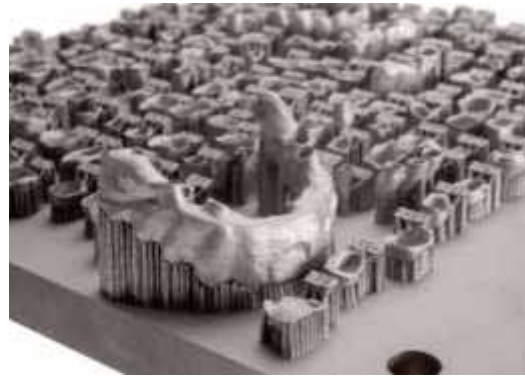


# What we make

Robots to help doctors with brain surgery and drug administration



# Metal 3D printers



# What we make

One exciting project Renishaw is involved in



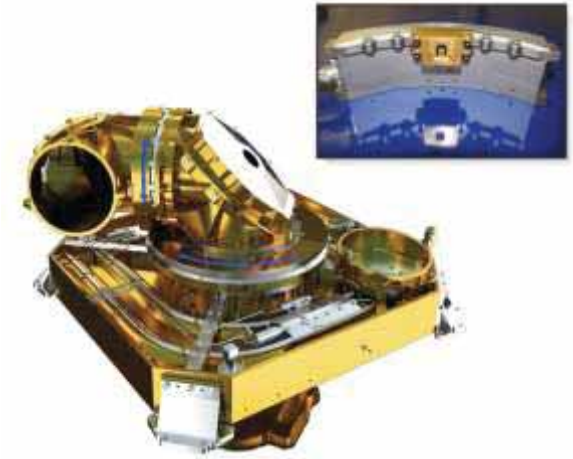


# Some cool facts about Renishaw

**We are in the Guinness book of world records for the world's 1<sup>st</sup> 3D printed bicycle**



**We have designed parts that are in space**



**Our Engineers designed Gromitronic, one of the Gromits that was on the trail in Bristol in 2018**

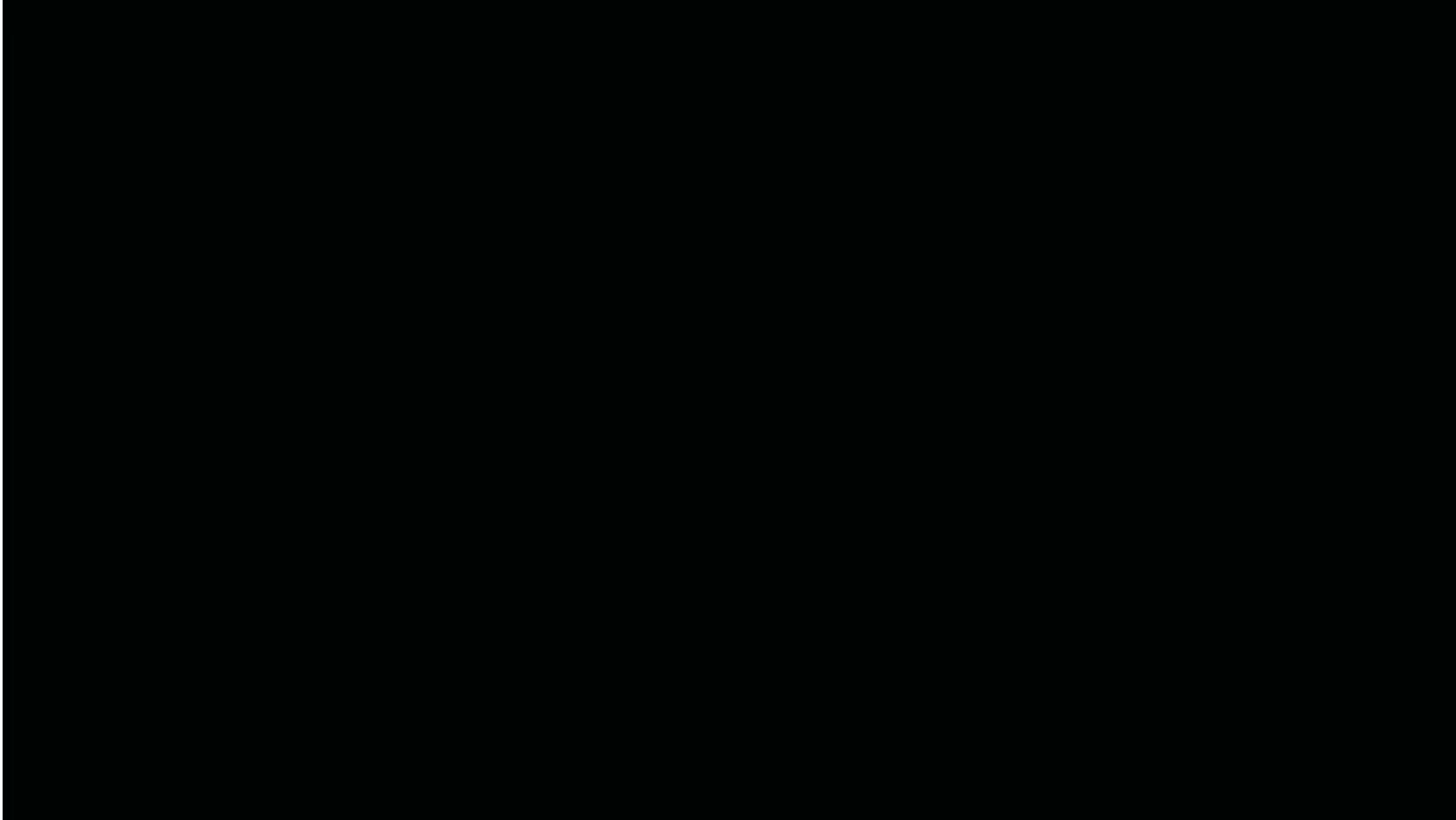


**Sir David's house appeared on Sherlock Holmes**





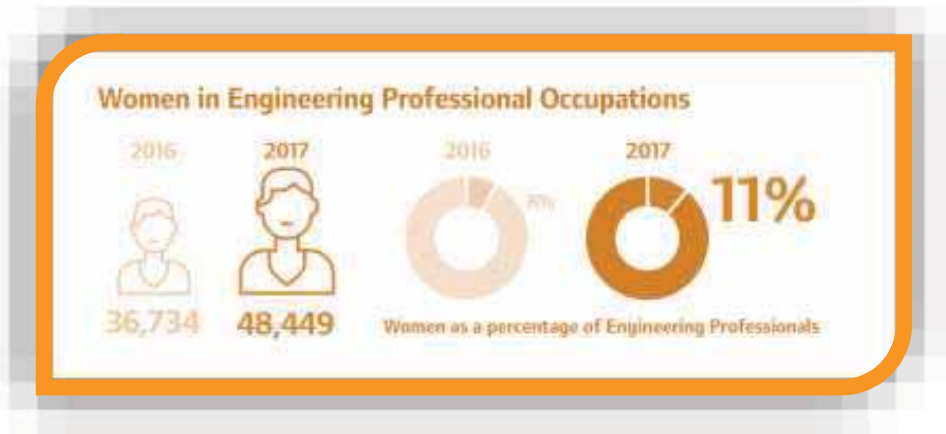
# What is Engineering?



# Why do we need more Engineers in the UK



Engineering employment has grown by 2.3% to more than 5.6 million.



We need to **double the number of graduates and apprentices** entering the engineering industry



# Recruitment goals for young people for 2019

Apprenticeship opportunities - approx. 70 across the following schemes

- Engineering - technical
- Engineering - manufacturing
- Software
- Embedded Electronic Systems Design & Development Engineering
- Electrical and electronics **NEW**
- IT Technician **NEW**
- Software Developer **NEW**
- Engineering Degree **NEW**



New Mills work experience  
(students came from 43 local schools in 2018)



2019 intake  
Engineering - 96  
Software - 20  
Commercial - 15 **NEW**

Think work experience;  
think Renishaw.

What will you gain from your work at Renishaw?

- Opportunity to work in a high-tech company
- Work on an engineering project
- Develop working skills
- Boost employability skills
- Presentation skills
- Knowledge of career opportunities at Renishaw

Graduate placements - 80

Industrial placements - 45

Summer placements - 40

