

Introducing Renishaw plc



About Renishaw

World leading metrology company

A FTSE 250 company with headquarters in United Kingdom



Advancing operational performance

Transforming manufacturing efficiencies and raising product quality Maximising research capabilities Improving medical procedures and patient outcomes



Our mission

Provide leading-edge technology by encouraging innovation to address our customers' needs.

Design, manufacture, and supply metrology systems of the highest quality and reliability, enabling dimensional measurement to traceable standards.

Strive for total customer satisfaction through superior customer service.





Our ethos



"Renishaw fundamentally believes that success comes from patented and innovative products and processes, high quality manufacturing, and the ability to provide local customer support in all its markets around the globe."

Sir David McMurtry Chairman & Chief Executive



Highlights





Securing growth for the long term

To assure success, we undertake as many of our core activities as possible, including design, manufacturing, sales and support.





Our strategy



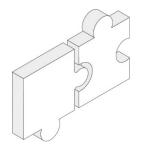
Continual research creating strong market positions with innovative products



Efficient high-quality manufacturing

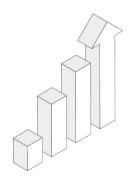


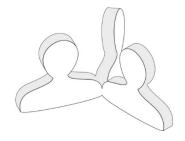
Strong market presence and focus on emerging markets

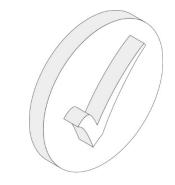


Building the business via acquisition









Focus on becoming a solutions provider

Customer support

Consistent organic growth

People



Our customers



Aerospace







Ele



Electronics



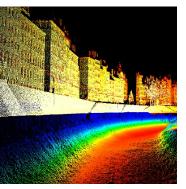
Energy



Heavy industry









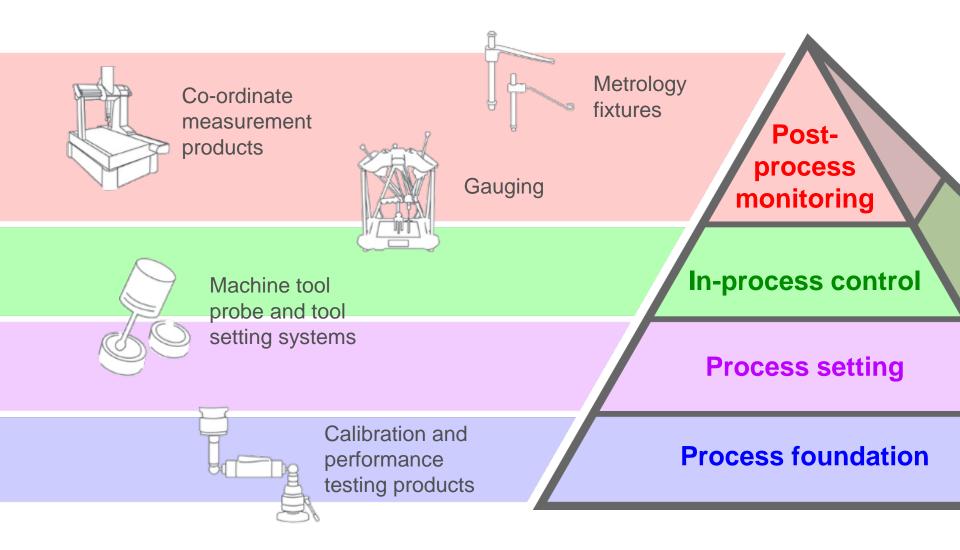


Marine and offshore operations Medical and healthcare

Mining, mapping and quarrying Precision manufacturing Scientific, research and analysis



Our expertise – Manufacturing process control





Our expertise – Industrial metrology



CMM probes, software and retrofits

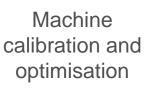


Machine tool probes and software



Automated gauging systems



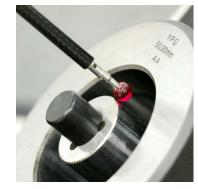




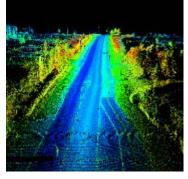
Additive manufacturing



Position encoders



Styli for probes



Spatial laser measurement



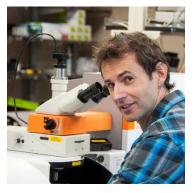
Metrology fixtures



Our expertise – Healthcare



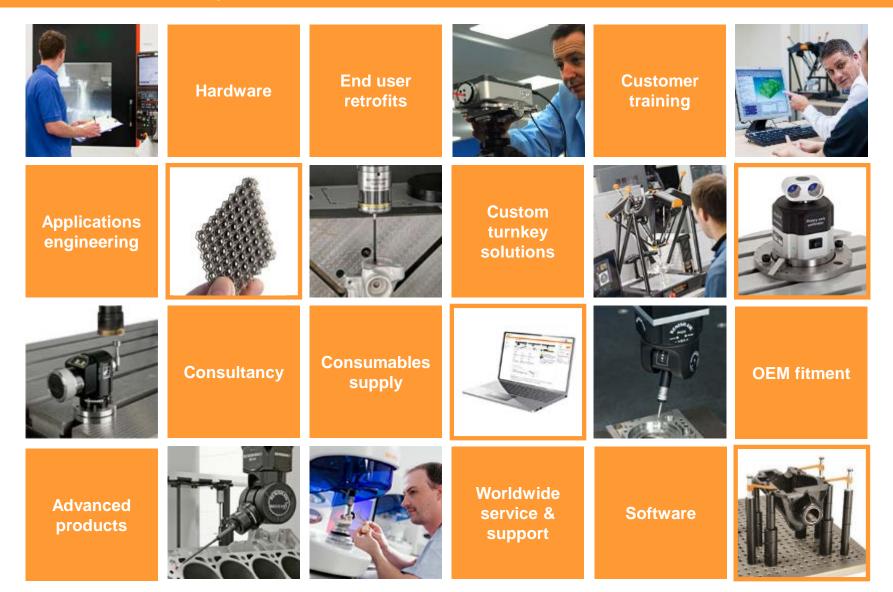




Neurological products and therapies Cranial, maxillofacial and dental products Raman spectroscopy



Our service, your solution





Consult | Engineer | Implement | Support

Understanding our clients' needs Establishing a relationship as a trusted partner

We looked at the whole production cycle time and in some cases were able to reduce it by up to 50%.

Alp Aviation (Turkey)





Consult | Engineer | Implement | Support Drawing on experience with customers and our own processes Leveraging our R&D network

REVO[®], the flexible measuring system, significantly increases our measuring capacity and also scans deepset features with high accuracy.

> MTU Friedrichshafen GmbH (Germany)





Consult | Engineer | Implement | Support

Providing end-to-end solutions from a diverse product portfolio Using local expertise in 35 countries with international backup



For our machining cell, there was no other costeffective, shop-floor measuring tool comparable to the Equator.

Conroe (USA)



Consult | Engineer | Implement | Support

Ensuring easy access to dedicated staff Same-day shipping of spares and consumables



Throughout our use of CNC machines we have had a close relationship with Renishaw – the flexibility and willingness to assist has always been out-standing.

Castle Precision (UK)



Our commitment to innovation

"We have a long term commitment to Research and Development, with annual spend historically between 14 and 18% of revenue. We also invest heavily to create our own distribution channels and are prepared to make acquisitions when we find companies with complementary technology and people."

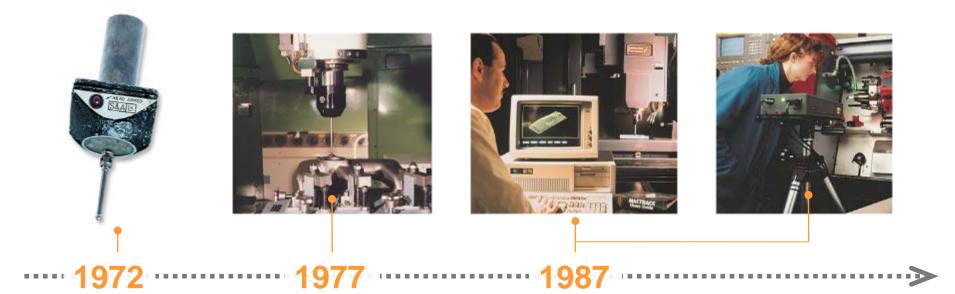
Geoff McFarland Group Engineering Director





OVER 40 YEARS OF BREAKTHROUGH INNOVATION

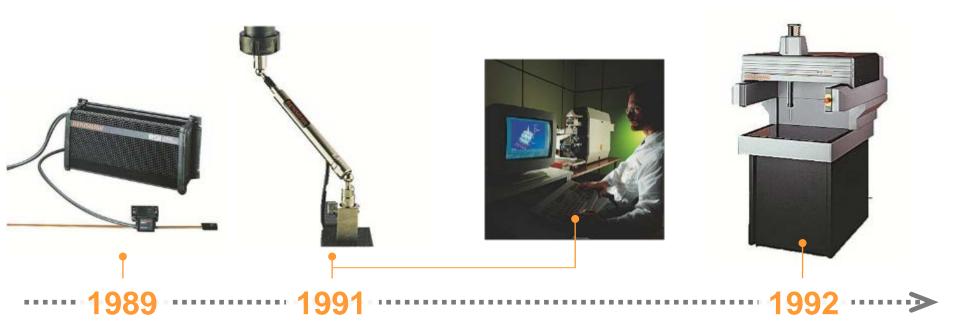




David McMurtry invents first touch-trigger probe First dedicated probe for machine tools

MAETRACE digitising software released Renishaw's first laser interferometer system





Renishaw's first range of encoder readheads and interfaces QC10 ballbar system

Raman microscope Cyclone scanning machine





HS10 laser scale

PCMT process control software for machine tools released Triclone 90 dental scanner REVO five-axis measurement system





Neurological product line established Investment in laser measurement and survey systems Gauging and Additive product lines Fixtures product line





ATOM[™] miniature position encoder RVP noncontact vision probe for REVO-2

Merlin lidar mapping system inVia[™] Qontor® confocal Raman microscope

RENISHAW. apply innovation[™]

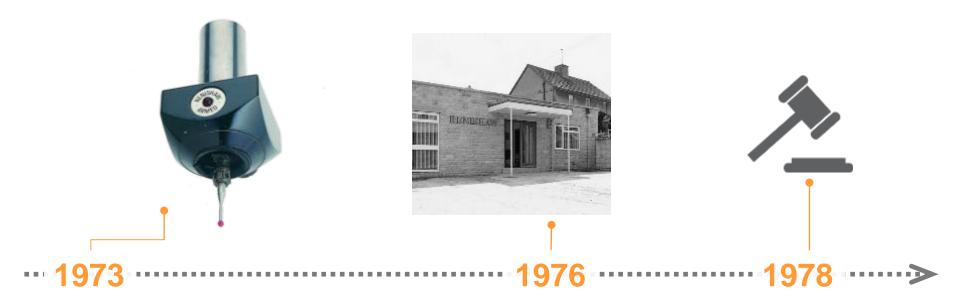
Vision

"Over the years, John Deer and I have tried to build a company that is different to most others. Different in how we apply technology to real world problems; in how we invest for the long term; in how we manufacture rather than outsource; in how we treat our customers as partners."



Sir David McMurtry Chairman & Chief Executive





Renishaw Electrical Ltd registered First probe for CMMs commercially available

First commercial premises purchased First patent case fought jointly with Rolls-Royce





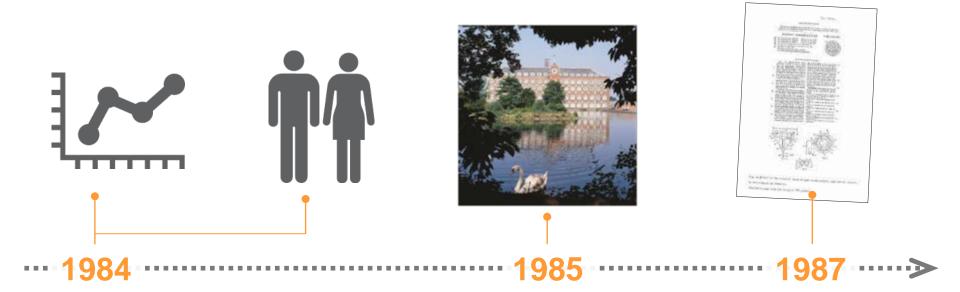


Sales reach £1 million (85% exports) First Queen's award (Export Achievement) David McMurtry joins company full-time, first apprentice recruited First overseas manufacturing facility (Ireland), first sales subsidiary (USA)

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1981





Renishaw shares enter official list on LSE; rights issue raises £5.9 million First sponsored student scheme New Mills building opened (now the company's HQ) Agreement with Rolls-Royce to take 100% ownership of original patents





3 awards for RAMTIC production system 1000 employees worldwide

Worldwide sales reach £100 million David McMurtry receives knighthood 'for services to design and innovation'





Purchase of itp GmbH

Acquired initial stake in Measurement Devices Ltd (MDL) UK Best Mid-Cap Business of the Year award (National Business Awards)

Miskin site purchased (South Wales)



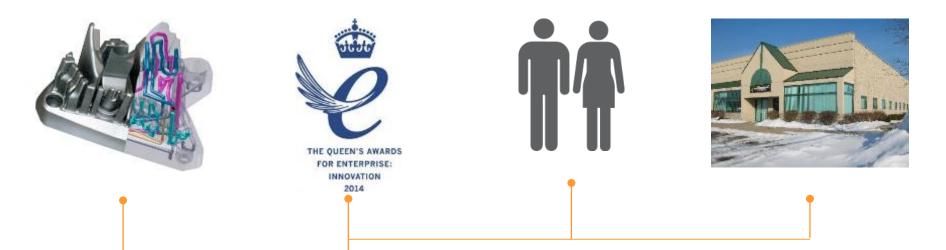


3000 employees worldwide Worldwide sales reach £300 million

Woodchester plant wins UK Best Electronics & Electrical Plant award

R&R purchase





····· 2013

Created LBC Engineering GmbH following acquisition 17th Queen's Award for Enterprise, first outside metrology field (Raman spectroscopy)

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Record 105 apprentices in training and intake of 68 graduates Acquisition of ACE Engineering Inc





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···· 2015

Over 4000 employees worldwide Renishaw Innovation Centre opens at New Mills, UK

The first Additive Manufacturing Solutions Centre opens in India

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Healthcare Centre of Excellence opens in South Wales



Our performance in 2016

£436.6 million

sales in 2016

4,286

Employees

35

countries with local subsidiary offices

16%

of revenue spent on R&D in 2016

Sales by region

45%
26%
21%
5%
3%

Employees by region

Far East	8%
Continental Europe	9%
Americas	7%
UK and Ireland	68%
Other regions	8%

Sales by business unit

Metrology	93%
Healthcare	7%



Now a global solution provider

We aim to provide leading-edge technology by encouraging innovation to address our customers' needs.



With subsidiary offices in over 70 locations across 35 countries, we support our customers locally before, during and after sales to build relationships with long term and lasting benefits.



RENISHAW. apply innovation[™]