

Additive manufacturing (metal 3D printing)

Additive manufacturing, also called metal 3D printing, is a process used to create three-dimensional parts from a digital file. It usually involves building up, or solidifying, thin layers of material to create complete parts. The technology is able to produce complex shapes which cannot be produced by 'traditional' techniques such as casting, forging and machining.



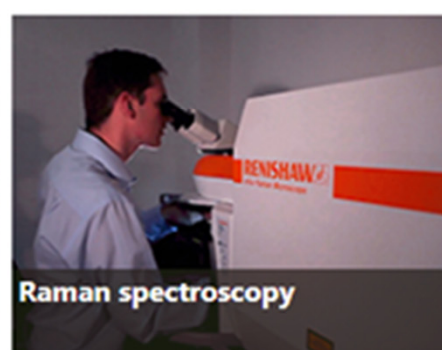
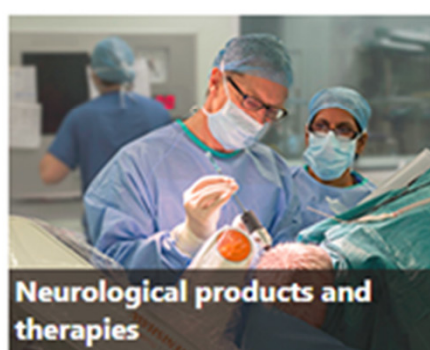
Position and motion control

Renishaw offers a wide range of high speed, absolute and incremental, linear and rotary encoder systems to meet the diverse requirements of industrial automation.



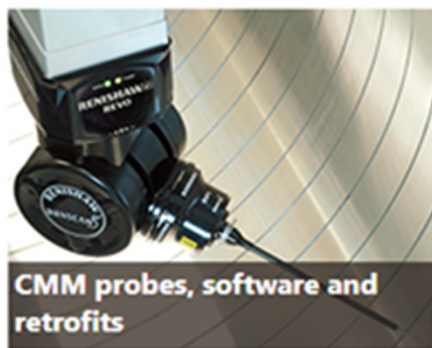
Healthcare

Renishaw is applying its precision engineering technologies to the challenges of healthcare applications.



Precision measurement and process control

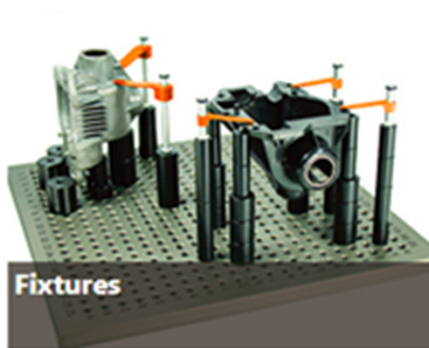
Our metrology products help manufacturers to **maximise production output**, to reduce significantly the time taken to produce and inspect components, and to keep their machines running reliably. In the fields of industrial automation and motion systems, our position measurement and calibration systems allow builders to manufacture highly accurate and reliable products.



CMM probes, software and retrofits



Equator gauging system



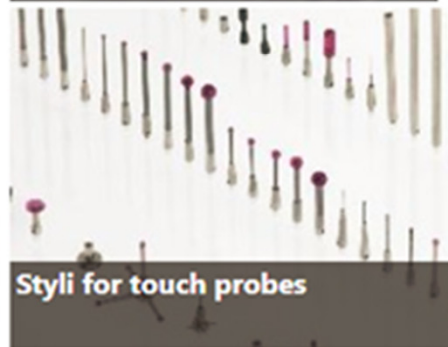
Fixtures



Machine calibration and optimisation



Machine tool probes and software



Styli for touch probes

Rapid prototyping

Additive manufacturing and vacuum casting technologies that enable the fast generation of prototype parts as well as high quality production parts.



Additive manufacturing



Plastic and metal vacuum casting

Scientific

Precision technology for use in scientific applications for analysis and research.



Machine calibration and optimisation



Raman spectroscopy



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