*June 2024 – for immediate release*

**Renishaw introduces the RMP24-micro, now available to order**

Global engineering technologies company, Renishaw, is pleased to announce the availability of the RMP24-micro, the world’s smallest wireless probe for machine tools. This innovative probe combines compact dimensions with exceptional metrology performance, making it a valuable tool for precision manufacturing.

The RMP24-micro measures just 24 mm in diameter and 31.4 mm in length. Despite its small form factor, it delivers impressive measurement repeatability of 0.35 µm 2σ, setting a new standard for wireless probes in this size category. The micro-kinematic mechanism within the probe promotes ultra-low trigger forces, ensuring gentle contact with workpieces during probing. This not only minimises the risk of damage, but also reduces part deflection for enhanced measurement accuracy.

Designed for compact machines that manufacture high-value, high-precision components, the RMP24-micro is well suited to applications in industries including medical, dental, watchmaking, and micro-mechanics. Its compact size, low trigger force, and radio transmission make it the optimal probe for such small machines with delicate workpieces like those in found these applications. Tight measurement tolerances are easily achieved with the probe’s excellent repeatability and lobing performance, whilst its short length and radio communication makes it useable in confined spaces.

The RMP24-micro uses Renishaw’s updated radio transmission protocol to communicate seamlessly with the machine tool controller via the RMI-QE radio interface. With an operating range of up to 5 meters, it employs a 2.4 GHz frequency hopping spread spectrum (FHSS) protocol, compliant with radio regulations worldwide. This FHSS technology has excellent power efficiency and allows the probe to coexist harmoniously with other radio sources such as Wi-Fi, Bluetooth®, and microwaves.

Renishaw’s commitment to smart manufacturing is evident in the RMP24-micro. As part of the next generation of Renishaw sensors, this probe enables fast, accurate, and reliable part setup and verification for manufacturers of small, intricate components.

Will Fenn, Product Marketing Engineer for Renishaw’s Machine Tool Products Division, expressed enthusiasm about the RMP24-micro: “Since we first previewed the product at EMO Hannover last year, we’ve had an overwhelmingly positive reaction from the market. So, we’re delighted to announce the full release of RMP24-micro and eagerly await showcasing it at upcoming exhibitions throughout 2024 and beyond.”

For more information about the RMP24-micro, visit [www.renishaw.com/rmp24-micro](http://www.renishaw.com/rmp24-micro) or contact your local Renishaw office.

**-ENDS-**

**Notes to editors**

**About Renishaw**

Renishaw is a world leading supplier of measuring systems and manufacturing systems. Its products give high accuracy and precision, gathering data to provide customers and end users with traceability and confidence in what they’re making. This technology also helps its customers to innovate their products and processes.

It is a global business with over 5,000 employees located in the 36 countries where it has wholly owned subsidiary operations. The majority of R&D work takes place in the UK, with the largest manufacturing sites located in the UK, Ireland and India.

For the year ended June 2023 Renishaw recorded sales of £688.6 million of which 95% was due to exports. The company’s largest markets are China, USA, Japan and Germany.

Renishaw is guided by its purpose: Transforming Tomorrow Together. This means working with its customers to make the products, create the materials, and develop the therapies that are going to be needed for the future.

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