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New stylus catalogue from world leader in metrology

Renishaw has introduced version 12 of its popular stylus catalogue that will be of interest to all users of touch probes, whether installed on co-ordinate measuring machines (CMMs), CNC machine tools or portable measuring arms.

For many years Renishaw has been the world's leading supplier of high precision stylus products, developed for touch probes, portable inspection devices, digitising and scanning applications. The styli, which are also referred to as 'probe tips' or 'probes', are available with M2, M3, M4 and M5 thread mounts.

The new catalogue contains hundreds of the most popular Renishaw styli and stylus accessories, from a range that now totals over 6,000 items. With such an extensive range, if users cannot find the stylus to suit a particular application within the pages of the catalogue, then the chances are that Renishaw has already produced the stylus required. If not, then a custom service is available to build the stylus to Renishaw's rigorous manufacturing standards.

Renishaw advises that to ensure the optimum accuracy at the point of contact, then users should always select styli that will not compromise measuring performance. The genuine Renishaw stylus range uses only the best materials available, including balls with class leading sphericity (ISO 3290 Grade 5 standard), ball materials to suit the specific application - Ruby, Silicon Nitride and Zirconia - and a range of stylus stem materials optimised for performance.

Recent additions include a range of high performance CF stylus extensions manufactured from carbon fibre and titanium which are thermally stable, with a low coefficient of expansion, and ultra lightweight, allowing fast machine speeds and improved measurement accuracy.

For users of Faro portable measuring arms, the catalogue contains specially designed Renishaw styli which have a robust design to cope with the extra forces involved with a manually operated device. The styli use Grade 5 Zirconia balls with a high toughness against fracture, which are then bonded to high strength tungsten carbide stems with impact resistant adhesive. These stems are then pressed into the steel stylus body for a virtually indestructible product.