



OPTiMUM™ diamond styli

The ultimate solution of high performance scanning

Experience the ultimate in stylus technology with OPTiMUM diamond styli. Designed for demanding metrology applications, these styli offer unmatched durability, resistance to material build-up, and superior versatility for even the toughest inspection tasks.

The diamond advantage

- **Standard range** – more accessible than ever before with locally stocked inventory, now available on our Online store.
- **Extreme wear resistance** – balls remain round and durable when scanning abrasive materials, leading to longer lifespan and less downtime for recalibration and inspection.
- **No build-up** – prevents material build-up for accurate and long-lasting measurements when scanning soft alloys.
- **More flexibility** – diamond-coated styli offer a high level of versatility, making them a great choice for scanning different types of workpieces. With diamond-coated styli, you won't have to worry about constantly changing your stylus to match the material you're working with.



Tackle even the toughest inspection challenges

Experience the next level of high-performance scanning with our OPTiMUM diamond styli range.

Ruby, silicon nitride, and zirconia styli have been trusted in metrology for years, but as technology advances, inspection challenges have become more demanding. That's where OPTiMUM diamond styli offer a new level of durability and accuracy. Upgrade your metrology toolkit with our innovative diamond-coated styli and experience the difference in performance and longevity.

Maximum efficiency, minimal downtime

Styli may need frequent replacement due to stylus wear or build-up in high stress measurement applications, to keep consistent results. Diamond-coated styli can last much longer when compared to a standard stylus tip. Ensure your metrology labs run at the highest efficiency possible.

The most versatile stylus in your toolkit

You can rely on a stylus that won't delay your measurement tasks. Diamond-coated styli ensure precision scanning on all workpiece materials, even those that can cause build-up on typical stylus tips like aluminium.

Real world applications

At Renishaw, ensuring customers use the correct stylus for scanning is crucial. Material testing is key, with our team conducting trials on problematic materials. Our in-house experts can assist with scanning challenges.

Diamond-coated styli cost savings example

	Ruby	Diamond
Cost of stylus	£50	£430
Lifetime of stylus (months)	1	12
Labour and CMM cost (per hour)	£80	£80
Time to replace and recalibrate stylus (minutes)	15	15
Overall cost in 12-months	£840	£450

* This is an example based on a scanning measurement of a hard material, such as a ceramic cutting tool.


Buy online today


Shop online and benefit from quick delivery of our OPTiMUM diamond styli.



www.renishaw.com/shop

 #renishaw

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