Effortless Precision

ZEISS Diamond!Scan®

Durable styli – no wear or deposits

Our portfolio

Solid diamond

- Suitable for the hardest surfaces, e.g. ceramic
- Long durability, even for continuous use on sharp edges
- Perfect for discrete-point probing with high point loads

Diamond coating

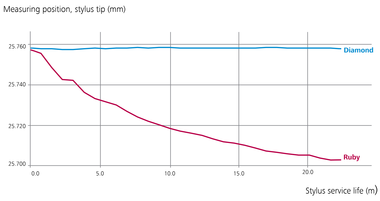
- No material deposits, even with soft aluminum surfaces
- High degree of roundness of less than 150 nm
- Particularly well-suited for scanning
- More affordable thanks to coating instead of solid material

Monolithic

- No material deposits, even with soft aluminum surfaces
- High degree of roundness of less than 150 nm
- Made of a single piece
- Many lengths and diameters possible

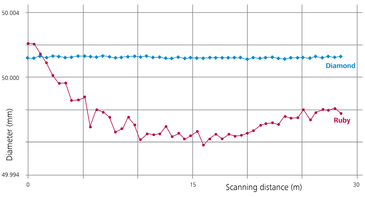
No wear

Compare the diameter of a ruby sphere with that of a diamond sphere: after just a short scan, the diameter of the ruby sphere will change and thus its accuracy. Conversely, thanks to its hardness the diamond stylus does not suffer wear, meaning it delivers reliable measurement results every time.



No material deposits

Compare a ruby sphere with a diamond sphere: after a short scan, material will adhere to the ruby sphere. Conversely, the diamond stylus will retain its roundness and thus its precision.



Sample calculation*

Using diamond styli means there is no need to constantly inspect, clean and calibrate your styli:

Time spent on inspecting, cleaning and calibrating	15 minutes/shift
Production shifts per day	2 shifts
No. of working days per month	20 days

15 minutes x 2 shifts x 20 days
= 600 minutes/month
= 120 hours saved per year

€10,800
saved per year

ZEISS Diamond!Scan®
Styli made from the hardest material in the world.

SHOP

INFO

Contact and information

* Non-binding sample calculation. Results depend on type of use. Assumptions: 10 minutes = €15.00
Still have questions? Write to us at accessories.metrology.de@zeiss.com.

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