

ULTRA SCANNING

Diamond-Coated styli by itpstyli



For example:
M5 • Ball Ø 3 mm
Length 58 mm
\$660

» **ULTRA** SCANNING – Full range of products at the best prices«

With immediate effect itpstyli is now offering a full range of styli with diamond-coated balls. This allows you to also carry out scanning measurements, e.g. on extremely hard, abrasive or also very soft surfaces with almost no wear and high scanning speeds. We can provide our customers with all ball diameters and stem lengths required. (Subject to technical feasibility)

» **ULTRA** SCANNING – for system VAST XXT«

We can provide you with the styli for the VAST XXT system in the standard sizes with carb fiber stem, carbide stem and also diamond-coated balls at very attractive prices. We also provide custom solutions on request.

»The most important advantages of our **ULTRA** SCANNING series«

Our styli in the **UltraScanning** series comprise of a ceramic ball, the surface of which is diamond-coated to a thickness of approximately 0.03mm. The balls are polished in a highly complex process.



We pass all the manufacturing cost benefits that we achieve in the manufacture of our **Ultra Scanning** probes directly on to our customers.



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No wear – scanning on hard or abrasive surfaces

For example, when scanning on ceramic or smooth ground surfaces. In comparison to the typical flattening of ceramic, ruby, or Silicon Nitride balls, itpstyli's diamond-coated spheres experience little to no wear and retain their form over long scanning distances. UltraScanning styli provide costs savings from much longer service life and the frequent replacements otherwise required. These benefits can easily justify the increased cost for intensive scanning routines in high-volume measurement systems.

No material build-up – scanning on soft surfaces

Typical problem: scanning on aluminum surfaces, for example, creates material build-up on the ruby, ceramic and to a lesser degree silicon nitride. With the material build-up “mills” itself into the sphere material, creating a bond which makes it much more difficult to remove. The material build-up impacts the sphere roundness, resulting in measurement error.

This build-up does not occur with diamond-coated UltraScanning spheres, saving time (and money) through reduced checking, cleaning, and recalibrating otherwise required. And most importantly, the risk of poor measurement results is avoided.

Prices

Diameter	Diameter	Diameter
Ø 1 - 4 mm	Ø 5 -7 mm	Ø 8 -12 mm
\$660	\$903	\$1,021



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