

PRESS RELEASE

BFi OPTiLAS offers optics with Super-polished Surfaces < 1 Å RMS

Evry, Head Office October 2010

BFi OPTiLAS, Pan-European partner of Precision Photonics, now offers a new range of broadband low dispersion polarizers and super broadband polarizing beamsplitter cubes. Those beamsplitter cubes are derived BFi OPTiLAS, Pan-European partner of Precision Photonics, is proud to introduce super-polished capabilities to include batch size polishing of Fused silica, Terbium Gallium Garnet (TGG), single crystal sapphire (Al₂O₃) and Ti: Sapphire glass. Plano substrates of up to 3" diameter can be polished to better than $\lambda/10$ surface flatness with 10-5 surface quality and surface roughness of less than 1 angstrom RMS.

Super-polished or laser quality polished substrates and assemblies are ideal for use as low-loss laser mirrors, high energy waveguides and in cavity ring-down spectroscopy (CRDS) where thermal stability, surface scatter and high laser damage thresholds are key requirements. We can also provide ion-beam-sputtered (IBS) anti-reflection, beam splitter and high-reflection coatings on these and other materials at wavelengths from 266 nm to > 3 μ m.

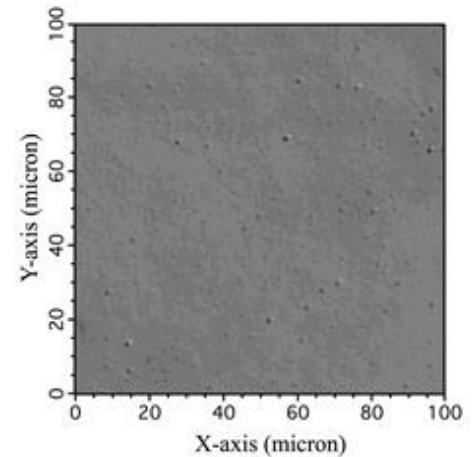


Image of a 0.7 Å fused silica surface as measured on a Differential Interference Contrast Microscope (DICM), known as Nomarski imaging.

About BFi OPTiLAS

BFi OPTiLAS is a pan-European technical distributor of specialist products and services, including design-engineering support, to the electronics and Photonics markets. BFi OPTiLAS focuses on niche technology products such as magnetic, lasers, sensors, connectors, electro-optics, imaging, fiber optics, RF & microwave and other specialty components, systems, assemblies and metals. Some 210 sales engineers and other staff are employed at 12 offices throughout Europe.

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