October 2019

Newsletter

LBP Optics

Metal mirrors for industrial and scientific applications

LBP Optics take over Symons Mirror Technology

We're delighted to announce that we have purchased Symons Mirror Technology, a Stevenage-based diamond machining company. Symons Mirror Technology is a hugely experienced, specialist manufacturer with a history dating back to the 1940s.

The purchase means that LBP Optics can now offer a wide range of highly complex mechanical and optical components with extremely demanding specifications. This includes spherical, cylindrical, toroidal, aspheric, ellipsoid, off-axis parabolic, ellipses, polygons, pyramid scanning mirrors and cones.

We can work with many materials including metals, alloys, exotic materials, acrylic and plastics. Please contact us if you have an enquiry or for more information.

NEW focusing lenses for 1µm lasers

A new range of F-Theta lenses for 1 micron lasers are now available as part of ULO Optics' 1 micron beam delivery range.

The FT-FL range of lenses are optimised for lasers operating near the 1µm wavelength such as Nd:YAG and Yb fibre lasers. These air-spaced doublet or triplet designs are made from fused silica and are fully anti-reflection coated. Available in a range of focal lengths from 30mm up to > 80mm, ULO also offer bespoke design for individual customer requirements.

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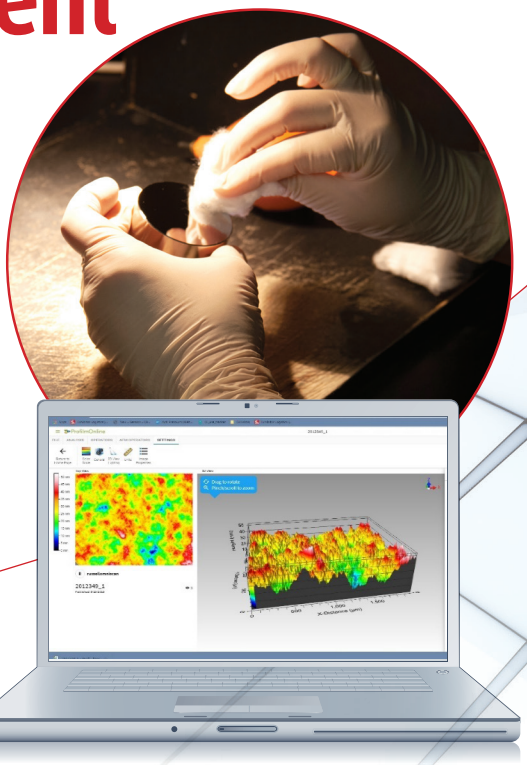
NEW factory equipment and capacity



As part of LBP Optics' commitment to innovation and growth we have invested in a new 3D optical profiler (Filmetrics Profilm 3D).

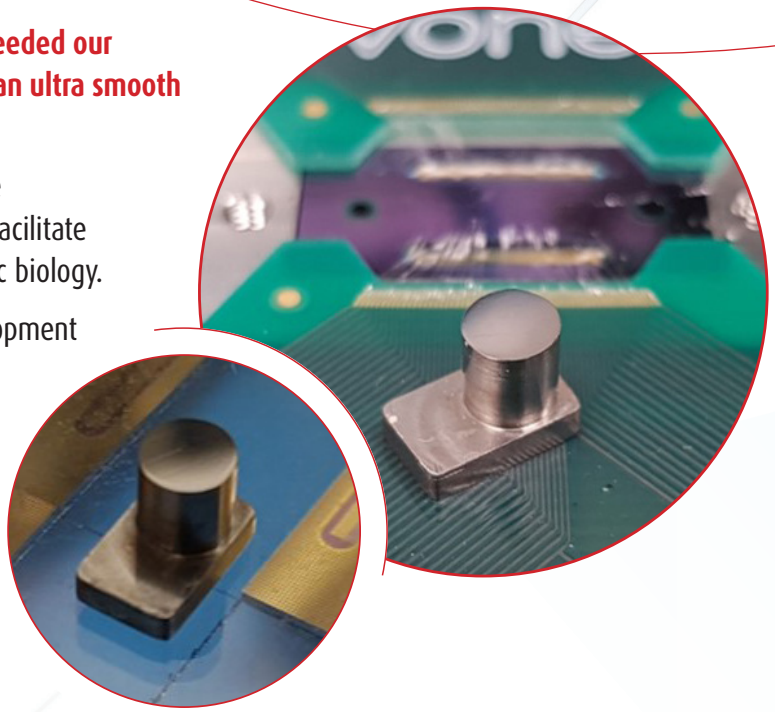
It uses state-of-the-art white-light interferometry to enable us to measure surface roughness from sub-nanometer to millimetre scale – something that is essential for some of our customers where surface finish is vitally important. Reports are easily generated and can be supplied upon request by customers.

Gene synthesis

We were recently approached by Evonetix, a Cambridge-based start-up company, who needed our expertise polishing some Titanium 'coins' to an ultra smooth mirror finish.

Evonetix's goal is to develop and commercialise a highly disruptive gene synthesis platform to facilitate the fast-emerging and exciting field of synthetic biology.

The titanium coins were used during the development process to prototype the synthesis sites to be used on a silicon chip with miniaturised sites. The mirror surfaces enabled microscopy techniques to be used to quantify the synthesis and assembly of DNA fragments.



Don't forget - current beneficial exchange rates!

The British Pound is still great value for customers in the Eurozone, Japan and many countries around the world, meaning British-made goods have fallen in price. The value of the Pound against the US Dollar is also favourable to our Dollar customers, making British manufactured goods better value than ever.

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