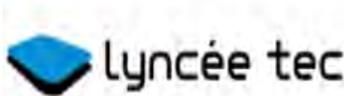
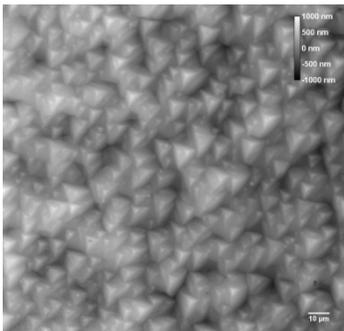
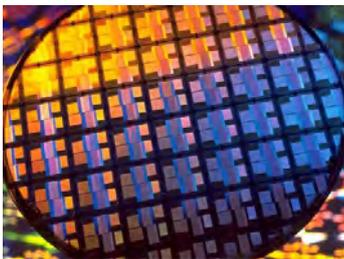
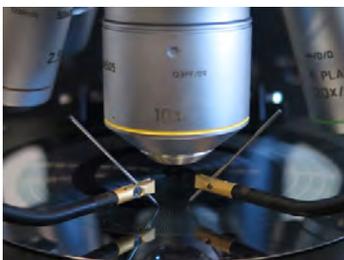


Out of your depth? Not so with near-instant Optical Topography acquisition from Lyncée Tec



Applications

- Surface topography
- Defect inspection
- MEMS measurement
- Structured thin films

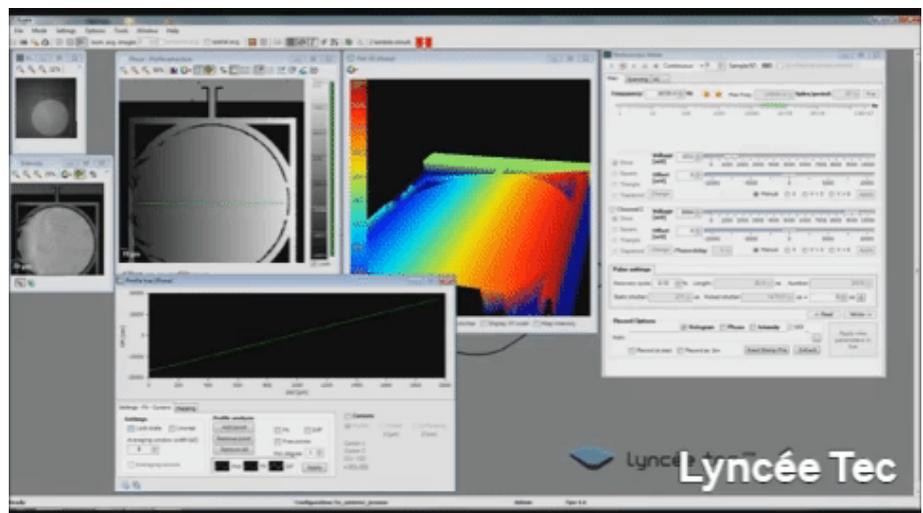


For more details on the DHM®-R and the rest of the Lyncée Tec range, **please contact us**

The **Lyncée Tec DHM®-R series** of reflection configured digital holographic microscopes are ideal for measuring totally and partially reflecting objects without contact or scanning.

Their ability to work with low reflective interfaces (down to < 1% reflectivity) make them ideal instruments for accurate optical topography measurements on a large variety of samples.

The microscopes have a high acquisition rate, are easy to use, and are therefore ideal for rapid routine inspection, automated industrial quality control, and dynamic observations in research applications.



Real-time MEMS analysis: Using DHM® to measure 3D vibrations over the full field of view without XYZ scanning. Millions of data points are acquired simultaneously with resolution similar to a laser vibrometer.

There are three configurations of instrument available, defined by the number and combination of wavelengths:

DHM®-R1000: Real-time measurements at one wavelength

- Provide real-time measurements of samples with sub-nanometre resolution
- Step heights up to 340 nm within the 200 µm live vertical range
- Particularly cost effective as well as extremely easy to use
- Ideal for measuring smooth surfaces with small local slopes, topography of samples with steps, or discontinuities with heights under 300 nm

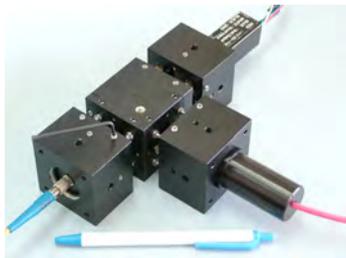
DHM®-R2100: For measuring at two wavelengths simultaneously

- Dual lasers for real-time measurements of sharp steps up to 2.1 µm high
- Sub-nanometre vertical resolution within the 200 µm vertical range
- No scanning or wavelength switching
- Delivers full frame phase and intensity images at video rates without blurring

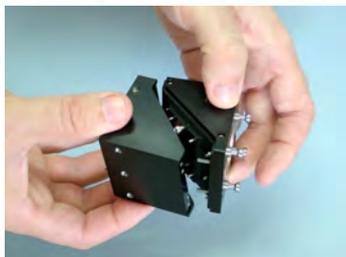
DHM®-R2200: Three lasers extend the measurement range

- Three lasers enable the live measurement of sharp steps up to 12 µm high
- Nanometre vertical resolution within the 200 µm vertical measurement range
- A new level in interference microscopy with 2.1 and 12 µm heights
- Measurement range can be further increased to the millimetre range with the optional vertical coherence scanning module

The Prizmatix OptiBlock system returns



Prizmatix



The **Prizmatix OptiBlock system** is a range of modular components designed for the rapid construction of optical experiment setups for researchers working in neuroscience, neurobiology, biochemistry and biophysics. The unique feature of OptiBlocks is versatility - the blocks are easily assembled, rearranged, or extended.

The basic units of the OptiBlock system are:

- Fibre coupler
- Beam splitter
- LED light source
- Laser light source
- Photodiode detector
- Photomultiplier detector

From these, a comprehensive optical system can be put together in a variety of configurations in a short amount of time. Typical experiments include:

- Multiwavelength detection & excitation
- Intensity monitoring
- In-line filtering, attenuation or polarisation
- Reflectance or fluorescence detection for in situ, in vivo, or in vitro applications

For more information about OptiBlocks, please [contact us](#).

WITec Raman imaging system installed in our lab for training



WITec
focus innovations

We've just installed a **WITec apyrion Raman imaging system** in our demonstration lab here in Harpenden. The apyrion was developed by WITec to straddle the boundary between ease-of-use and the ultimate in confocal capability. As such, it is ideal for:

- Labs with multiple users of varied skill levels and requirements
- Raman newcomers requiring advanced imaging
- Skilled Raman spectroscopists seeking superior performance/speed
- Industrial labs doing repeat experiments within limited time periods

apyrion sets the benchmark for automated Raman imaging systems; delivering excellent images with outstanding spectral and spatial resolution. The ultra-fast acquisition times and exceptional signal sensitivity, combined with automated system configurations and intuitive measurement procedures, make the award-winning apyrion the instrument of choice for many labs.

Now you can have the chance to experience the system first-hand. We will be running Raman imaging workshops in the near future, so watch this space.

In the meantime, for more information please visit our [WITec pages](#) or [contact us](#).

For affordable high-quality fibre optic components, select OZ Optics



OZ Optics is a leading fibre optic supplier with an outstanding reputation as a manufacturer of high-quality yet affordable components for use in telecoms, industry, medicine and the lab.

By using their own patented technology, OZ Optics achieve fibre alignment to better than 0.1 μm resolution without using expensive high precision machining.

Typical products Elliot Scientific supplies include:

- Focusers
- Combiners
- Connectors
- Patchcords
- Collimators
- Attenuators
- Beamsplitters
- Fused splitters
- Vacuum feedthroughs
- Inline Optical Taps
- Polarisation rotators
- Polarisation maintaining connectors



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