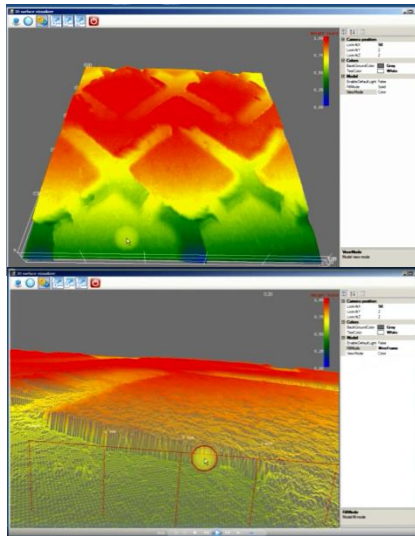
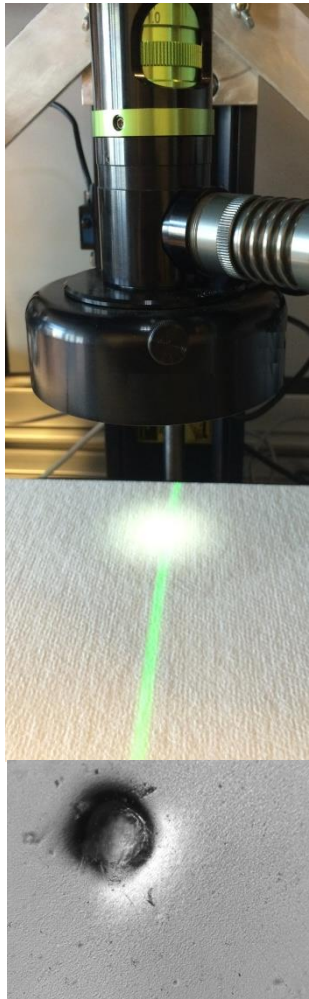
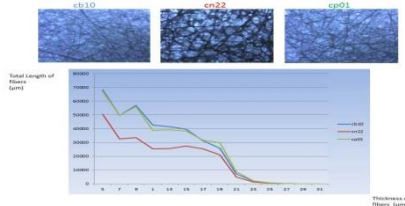


# When technologies combine!



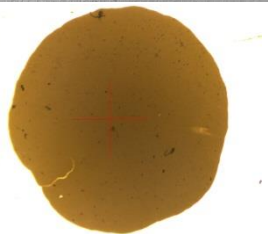
Never lost Navigation !



Fiber analysis of large format sheets, Fast, Easy and Accurate!

## Specifications:

Sample size (from small to A4)  
Resolution LT: max. 15 µm  
Resolution Optical: max. 6 µm  
Max speed of LT: 1 A4 in 10 sec.  
Max speed of Optical microscopy DFD: complete 3D reconstruction in 1 sec (for FOV view 200 µm x 200 µm)  
Software: Complete package of [Mishell](http://www.micropatik.com) available: OS: Windows 7 or Higher  
Computer: AMD FX 4100, 740 NVIDIA Palit GT740  
VGA/DVI/HDMI/GDDR5 2GB, 250GB SATA3 Samsung 840 EVO, Asus AM3+  
SabertoothS/R/F/GBL/USB3/SATA3/DDR3/ATX, Asus AM3+  
SabertoothS/R/F/GBL/USB3/SATA3/DDR3/ATX, Samsung CD/DVD drive, 700W ATX voeding, Cooler Master Elite 342 0 Watt / Zwart, 8192MB DDR3/1600 Crucial CL11



# Lab-robot® Top-Eye™ P5



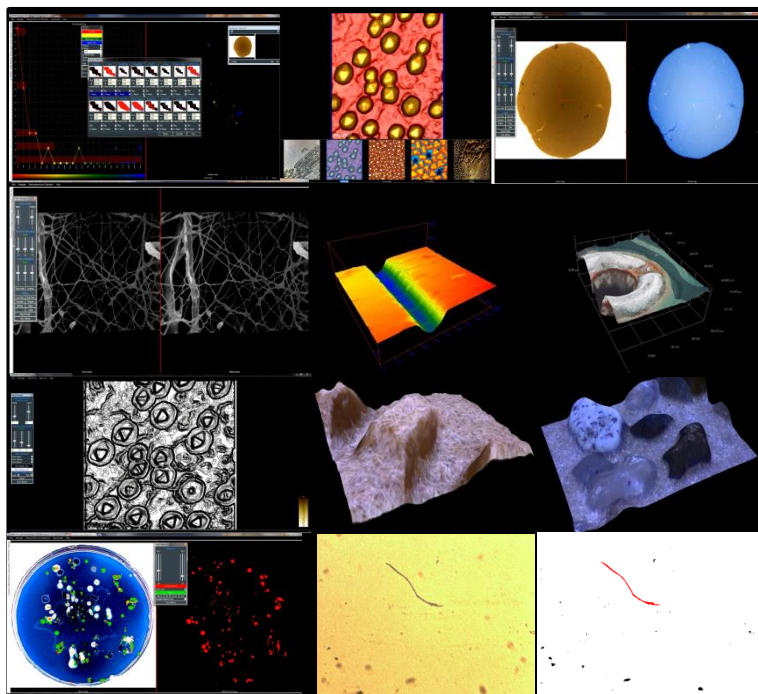
The LR (Lab-Robot ®) Top-Eye P5, is a high end ALL PURPOSE microscopic system which can do almost anything when it comes to optical microscopy and laser topography. The unique concept allows all sorts of samples to be analyzed without any sample preparation step. Whatever the size of the sample is, the LRTEP5 can adjust the optical configuration in such a way that all parts of the sample can be analyzed.

With superb optics and camera technology, magnifications up to 7000X can be attained with unbelievable high quality images. Samples can be tilted to allow all sorts of 'hidden' artifacts to be inspected with a simple mouse click. The fully

automatic 3 axis system allows easy navigation of low and high magnification at any place of the sample. Illumination can be arranged through co-axial, ring or back light, allowing all sorts of dark field, or bright field experiments to be carried out. The system allows sophisticated 3D reconstruction techniques to be applied, for the optical microscope as well as the Laser topography and to be superposed flawlessly. The result of these techniques are full 3D interactive maps which allows the user to 'walk through' the virtual landscape. The system is ideal for add on accessories such as heating stages and environmental chambers.

# A powerful 3D scanning system!

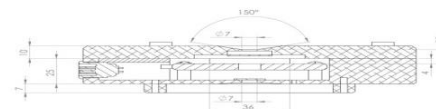
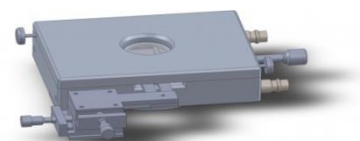
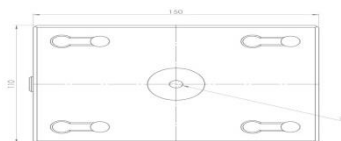
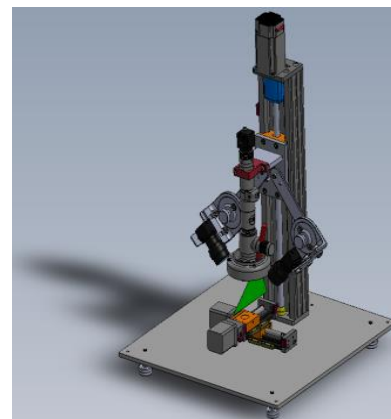
All possible applications in one system!



- Large samples of any form
- No sample preparation
- From low till high magnification (7000x)
- 3 fully automated motorized axes
- Tilting of sample for hard to access defect inspection
- Never lost navigation
- Full scan of complete sample
- 3D reconstruction and surface profiling
- Easy add on accessories (i.e. heating cooling stages)
- Extremely versatile and powerful software
- High throughput of any procedure
- Particle counting (morphometric analysis)
- Fiber analysis
- Topography analysis
- Superposition of layers
- And many more.....

# Laser Topography & 3D Microscopy combined

Exploiting the best of both worlds!



The LRTELT is a system which utilizes stereo pair Laser topography in combination with ultrafast 3D scanning microscopy techniques.

With this unique combination large surfaces can be acquired extremely fast without any compromise in quality and resolution. The technique utilizes a stereo pair camera system with appropriate lenses to measure the profile of the laser line. Then mathematical processing allows the profile to be converted into a 3D map.

The advantage of a stereo pair LT configuration is that artifacts are inspected from two independent points, leading to a much better representation and insight in the complexity of the sample. The motorized stages allow the operator to move instantaneously to a certain point of interest on the sample. The 3D Microscopy system is realized by using unique DFD (Depth From Defocus) techniques in combination with full automatic 3 axes stages, special optics, illumination and proprietary image analysis software. For material analysis as well as for bioluminescence applications we provide the technology to reconstruct 3D images to superb quality.

**Add on of all sorts of high end accessories:** Tilting tables, robotization, automation, rotation tables, all sorts of illumination, i.e. .UV, VIS, IR, fluorescence, polarization, DIC, Heating stages. Micro plate, inverse microscopy, particle analysis, fiber analysis, topography and many more. Custom built high throughput analysis.