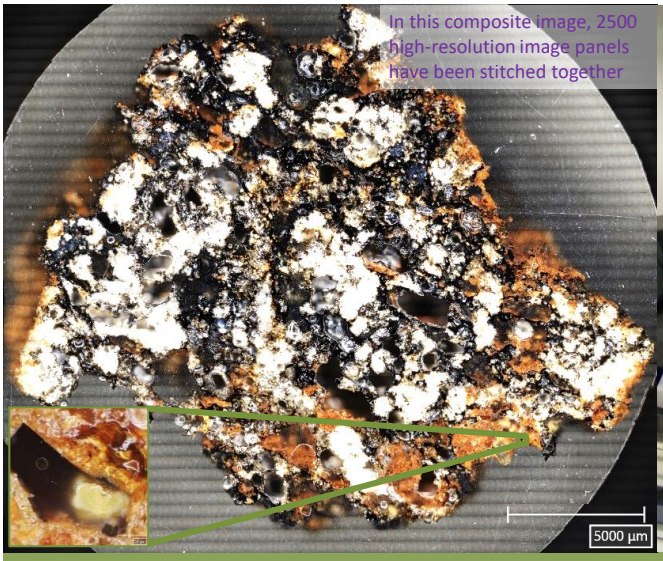
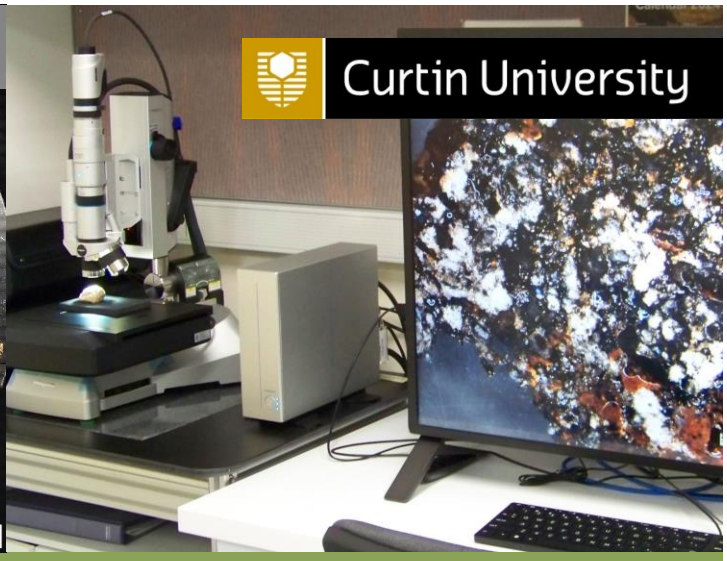




HIROX 3D LIGHT MICROSCOPE

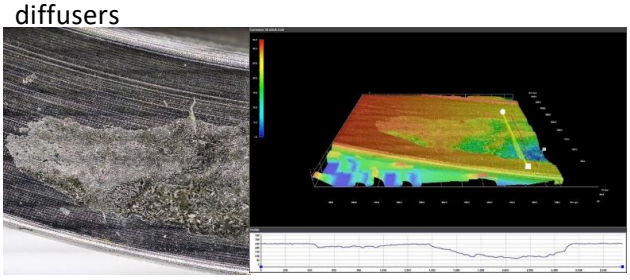
The Hirox digital light microscope comprises a motorised stage and motorised lens system that enables true colour imaging of both macro samples (large areas at low magnification) and high resolution using a 5000x lens. Software control of the lenses and acquisition automation also enables focused imaging of topographic surfaces, profilometry, roughness measurements and 3D modelling.

Application Examples

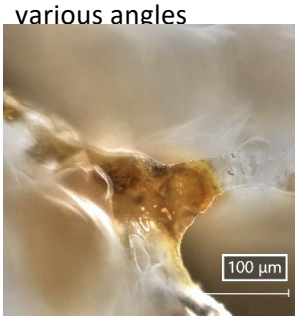
- High resolution, true colour images of biological and mineral samples
- 3D profiling of corrosion pits
- Image stitching covering a large area, such as a brick or concrete sample
- Real time video recording of process details from various angles

Key Capabilities

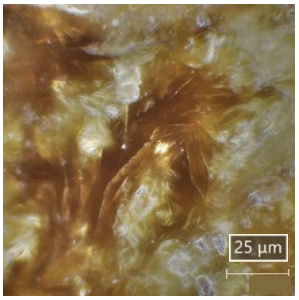
- Imaging over a wide range of magnifications (20x - 5,000x). High resolution imaging (down to 0.5 µm) across the entire sample (up to 100 cm^2 size) with automatic stitching capability
- 3D modelling with quantitative measurements of height, roughness and volume
- Isometric view with the rotary head attachment
- Reflective sample imaging using polarisers and diffusers



Software analysis of a corrosion pit within metal using 3D tiling

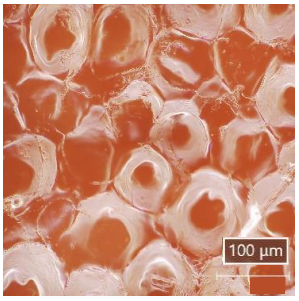


Glass from an impact melt site from a meteorite, demonstrating bubbles and impurities



25 µm scale bar image showing striations within an impact melt grain

Large area, stitched image of a piece of tomato



Single image from the stitched image at left, using the multi-focus function to show cell structures

For more information

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