



Automated light microscope and image analyser

Leica DM6000 M Automated Research Microscope for Materials Science

Automated light microscopy and image analysis system for rapid capture, stitching and analysis of metallographic cross-sections.

Features and benefits

- Rapid automated capture of reflected light micrographs
- Production of composite stitched images and extended depth-of-field images
- Clear images of features at up to 1000x magnification
- Automated grain size analysis
- Automated measurement of sample thickness and other dimensions
- Automated phase fraction analysis and porosity analysis

Some applications

- Powerful characterisation tool supporting metallography, quantitative phase analysis and examination of cross-sections and microstructural features
- Faster and more accurate failure analyses
- Metallurgical research and investigations
- Sample examination
- Examination and imaging of corrosion products
- Characterisation of cracks, voids, inclusions and other flaws

Technical specification

- Motorised aperture, field diaphragm, shutter and reflector turret
- Motorised objective nosepiece, stage and focus drive
- Fluorescence intensity management
- Automatic Köhler light management
- Integrated Leica Application Suite software
- Constant colour intensity control
- 100W halogen lamp
- Automated condenser head

