

Worldwide demonstration facilities established for XiCLone spectrum imaging on MonoCL3

Gatan has now established demonstration facilities and demonstration access at several key sites worldwide. With a XiCLone installation, the full array of CL characterization techniques are available from one MonoCL3 platform, including panchromatic imaging, monochromatic imaging, serial and parallel acquisition of spectra, and spectrum imaging along linescans or from areas. Furthermore recent software tools have been introduced to extend the analytical power of spectrum imaging, with Gaussian curve fitting giving new spectral shift and peak width mapping information. These maps can give insights into growth quality, stress, doping and alloy effects, and quantum confinement in compound semiconductors. In addition, fitting and extraction routines can help differentiate peak and residual signals, thereby helping map small extrinsic luminescence features which may be swamped by larger extrinsic luminescence signals. This is especially useful in helping characterize minerals, oxides and ceramics, forensic and geological specimens.

In the UK, a XiCLone can be demonstrated at the GatanUK factory on either a Tungsten or LaB6 filament SEM. Liquid nitrogen or liquid Helium cooling options are available, together with a wide range of standard PMT or IR detectors. Please contact GatanUK or e-mail ukinfo@gatan.com

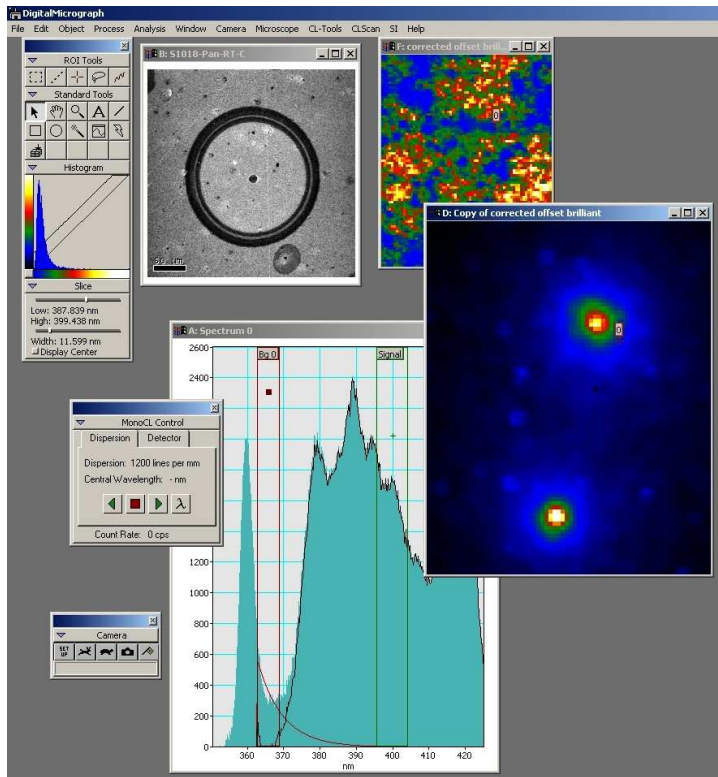
In Spain, demonstration access can be arranged for a XiCLone installed on a tungsten SEM. This is also equipped with liquid Helium or liquid nitrogen cooling options, and a Ge detector. Please contact GatanUK or e-mail ukinfo@gatan.com

In Tokyo, a XiCLone can be demonstrated on either a tungsten SEM with liquid nitrogen cooling, (or with advance notice, on a FEGSEM at an EM manufacturer). Please contact OIKK or e-mail oikkma@oxinst.co.jp

In the US, a XiCLone system has been installed on a FEGSEM in conjunction with the National Renewable Energy Laboratories (NREL) in Golden Colorado. This system offers liquid nitrogen cooling and an HSPMT. Please contact Gatan Inc. or e-mail info@gatan.com

The new CL demonstration lab in Colorado has been established at a laboratory world famous for its pioneering and long standing contributions in the field of photovoltaics. In collaboration with NREL, this laboratory will function as the prime North American demonstration site for CL applications, workshops and seminars.





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