

Microscope Automation

Automation of microscopy is commonplace across a broad range of applications and vastly improves imaging speed and efficiency. Automated systems such as XY stages and focussing devices allow for exact positioning, programmable movement and rapid return to areas of interest. By integrating the microscopy system with software packages and other components, such as cameras, complex processes can be repeated over and over again with no loss of accuracy, enabling the most demanding applications to be undertaken. At its height, an automated system can provide complete walk-away convenience for the user, utilising robotic loaders, illumination devices, motorised stages and focussing mechanisms; while at its most basic it can involve simply using a motorised stage to accurately move a sample under a microscope. This technology has been widely utilised in a variety of areas including materials and life sciences imaging applications. Coupled with a range of illumination technologies Prior can provide a solution for the most demanding of imaging applications. The workshop will discuss the Prior products available, how they are used in different applications and how best to select the correct product for your particular needs.