

## iLO - intuitive TEM Sample Lift Out

iLO is a software interface especially designed to provide an easy and intuitive way to control the MM3A-EM micromanipulator, RoTip-EM rotational axis as well as the MGS2-EM microgripper system.



iLO provides three-dimensional control via two-handed operation – the microscope PC's mouse for X and Y movements combined with a jog dial for Z movements. Upon activating movement, the Lift Out tool becomes your mouse pointer which yields a familiar and intuitive feeling, including dynamic movement response.

By accessing magnification and other information from the microscope's software interface, the micromanipulator's speed can be linked to the microscope's current field of view. This eliminates the need for the user to manually adjust the micromanipulator's speed.

Other parameters such as scan rotation are also taken into account so that simple drag & drop actions always result in the desired tool tip motion.

The iLO Calibration Wizard facilitates fast and easy step calibration. This results in precise X and Y motion as well as true (Cartesian) Z motion.



The software also provides options for moving the tool tip to a parked position as well as a closer standby position for use between consecutive liftouts.

The Gripper and RoTip plug-in tools can also be controlled via the software yielding compucentric rotation with the RoTip.

### Requirements

- 1 USB 2.0 port
- Microsoft Windows XP (SP3) or Windows 7

### Further information

- Contact us at [info@kleindiek.com](mailto:info@kleindiek.com)
- Find your local agent at [www.kleindiek.com](http://www.kleindiek.com)

