

Class Leading LA Control

Ultimate in control and versatility

- ESI's unique **layering environment**
- **4D** viewing concept
- **Windows 7** compatibility
- Float and **customise** video views across multiple monitors
- True **automated** analysis
- Software based **Auto-focus** capability
- Software control of new BDS options
- Visit **NWRLaserAblation** on **YouTube**



ESI's New Wave Research division presents **ActiveView™**, the most user-friendly, intuitive and versatile software package available for laser ablation.

Recent additions to ActiveView™ include:

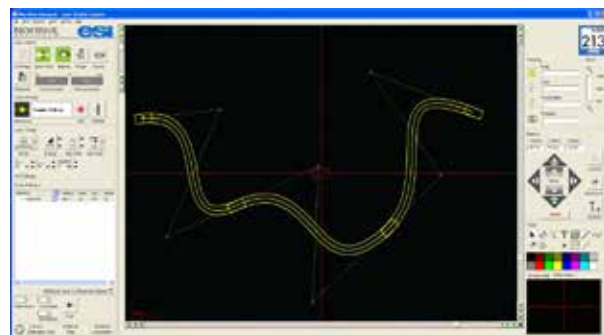
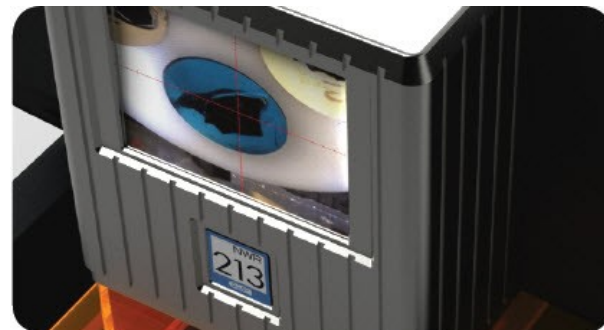
ESI's unique layering environment. Enables the user to build up layers of information relevant to samples accommodated within the ablation chamber for efficient sample/feature visualisation, accurate scan placement, and even storage of visual and analytical data.

ESI's 4D viewing concept. Includes: (1) a HD digital microscope, (2) a simultaneous, off-axis digital macro view with 25mm FOV, (3) fast and high precision mosaic mapping, and finally (4) importation of other images from alternative viewing systems. All managed by ESI's unique layer management system.

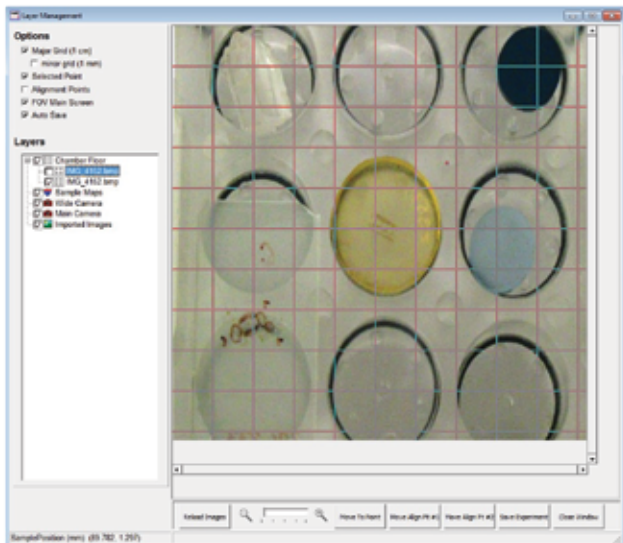
ESI's software based Auto Focus. Automatically determine and store the correct focal position for a wide variety of sample types.

New software-controlled beam delivery options. Includes rotational XY shutter, IVA (infinitely variable apertures) and high resolution optical energy attenuator.

Intelligent Gas Handling: User definable ramp-up of gas to ensure stable ICP-MS plasma conditions and to prevent extinguishment.



An overview of ESI's Unique Layer Management Window. *Import and manage images from multiple sources for enhanced sample navigation and feature analysis*



Take an image of your sample chamber insert

After loading the sample chamber insert with the required samples and standards, the user can simply take an image of the assembly using a digital camera or even a flatbed scanner. Using the USB port embedded on the LA system itself, the image is easily imported and aligned within ActiveView™. This image can now be used for sample navigation.

Perform macro sample maps

The NWR platform is equipped with a wide angle camera which yields a 25mm FOV. Using the mosaic function, ActiveView™ will take multiple images and tie these together to form a larger mosaic. Once performed the mosaic will automatically appear in the Layer Management window and can be used for sample navigation.

Perform micro sample maps

The mosaic feature is also compatible with the high definition primary viewing source of the NWR platform. Once the mosaic is complete, ActiveView™ will automatically import the image into the layer management window such that it is now ready to be used for effective sample navigation. To improve the mosaic result ActiveView™ can now automatically adjust lighting and contrast.

Import images from alternative sources

Perhaps the most useful feature of the Layer Management component of ActiveView™ is the ability to easily import and align images from external sources. This can include SEM, back-scattered light, cathode-luminescence and even MRI images. Once the images are aligned to the stages, they can be used to target or avoid features not visible using the NWR platform's primary display.

Use the environment for navigation and scan placement

Now that various layers of visual information are available to the user, the user can utilise the created environment to place LA scans. Additionally, the entire experiment can be saved, inclusive of images and LA scans, and re-loaded at a later date. All of the information related to the experiment is now saved in one convenient location.

