

ASI/Applied Scientific Instrumentation Inc.

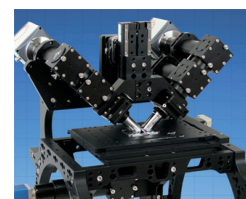
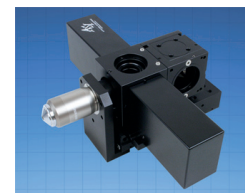
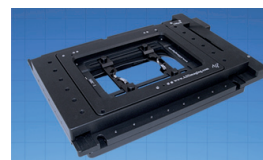


ASI manufactures hardware for laboratory & microscope automation including: extremely precise motion control devices, such as sub micron XY stages, piezo top plate stages for ultra-precise & fast Z-axis focusing, LED based feedback systems for maintaining submicron level focusing, High-speed filter wheels, Micro injectors & micromanipulators for intercellular injections. We also build microscope systems including light sheet and other custom high resolution systems. We work directly with end users, as well as a wide range of OEM's and imaging partners, to provide anything from individual components to fully automated turnkey systems.

ASI's philosophy of working with the customer to solve their demanding technical problems has led to the development of a number of innovative technologies & devices. ASI has always been on the forefront of cutting edge technologies, and will continue to do so for our customer base of leading labs & researchers throughout the world.

- **ASI DC servo motor XY stages**—With rotary (standard), or optional linear encoders. Providing resolutions down to 100 nm (rotary) or 20 nm linear.
- **ASI Piezo top DC servo motor XY stages**—Piezo Z travel in 150 um, 300 um & 500 um ranges. DC servo motor in XY.
- **PZM**—Manual XY stage with high resolution piezo Z.
- **MIC-2500 manual XY stage**—Designed for low thermal drift – offered in various configurations.
- **FW-1000 High speed filter wheel**—Less than 40 ms – low vibration – many different configurations.
- **CRISP**—Auto focus device, maintain focus to 5% of the DOF of the objective indefinitely.
- **RAMM**—Rapid Automated Modular Microscope, modular design for rapid automation development fully configurable to nearly any application.
- **MIM**—Modular Infinity Microscope. Modular design, build your microscope your way.
- **diSPIM Dual Inverted Selective Plane Microscope**—Low light light sheet microscope – Low Phototoxicity – Rapid 3D Imaging – Better Axial Resolution – High Acquisition Rates.
- **Fiber Coupled Laser Scanner**—Compact and versatile 2D MEMs unit originally designed for generating SPIM light sheets.

ASI is a company that is committed to the advancement of science. We enjoy developing new and innovative products with our collaborators within the scientific community. Our main focus is on precise motion control & microscopy for biological applications such as live cell & intracellular imaging with a focus on Cell Biology, Neuroscience & Biophysics. We also support a number of OEM's involved in these applications as well as genetics research and other similar applications.



How to find us

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