

# Opto-Mechanics and Positioning

## Mount and Stage Capabilities

Your optic size, shape, environment or stability requirements may require a design that is not-yet-covered in our catalog by our wide range of optical mounts. CVI Melles Griot encourages customers to use our strong expertise in designing and manufacturing custom optical mounts. Most mounts in our catalog originated as a custom mount, driven to perfection by end-users. Some designs remain a proprietary OEM mount design.

Our in-house design team and manufacturing enables optimization of function, performance and cost for custom mounts. The best sources for software controlled actuators are used to complement our mechanical design expertise. We deliver the complete package of optics, mounts, stages and actuators for vacuum photonics with minimal outgassing. Customer-specified materials are used for these applications to minimize mass loss and contamination.

## Opto-Mechanics

- Miniature components
- Fixed optical mounts and laser holders
- Mounting posts, bases and brackets
- Optical rails and lab jacks

## Precision Positioning

- Adjustable optical mounts
  - Kinematic mounts, lens mounts, beam steering
- Precision positioning stages
  - Linear translation, rotation, motorized
- Actuators and controllers
  - Thumbscrew, steppers, piezoelectric
- Fiber alignment accessories
  - Fiber chucks, fiber holders, component holders
- Aluminum, brass, stainless steel construction
- High load and long-travel options
- Sub-micron resolution
- Vacuum compatible designs

