

## Raman Filter Chamber

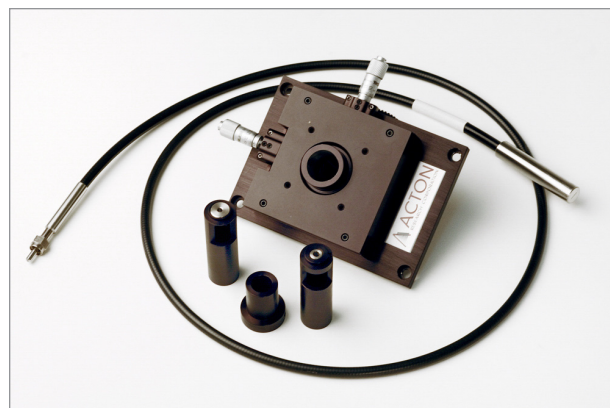
Maximize Performance of Raman Spectrometers

FEATURES	BENEFITS
Edge/Notch filter holder	<ul style="list-style-type: none"> <li>• Design collimates incoming light beam for optimal Rayleigh line filtration</li> <li>• Accepts all 1" diameter optics including mounted holographic notch filters</li> <li>• 10° adjustable tilt ensures perfect match between filter rejection band and excitation linewidth</li> </ul>
Aspheric achromat lens set	<ul style="list-style-type: none"> <li>• Produces smallest possible spot at spectrometer entrance slit</li> <li>• Maximize light collection efficiency with f/2 focusing</li> <li>• 50 TPI fine adjustment of focusing lens</li> <li>• Eliminate chromatic aberration</li> <li>• Operation from 488 - 1100 nm</li> </ul>
Easy mounting	<ul style="list-style-type: none"> <li>• Through holes for mounting to entrance slit of Acton Series spectrometers</li> </ul>
Light-tight design	<ul style="list-style-type: none"> <li>• Eliminates stray light and reflections</li> </ul>
Works with Acton fiber adapters and free-space-coupled systems	<ul style="list-style-type: none"> <li>• Optimized for f/2 focused beams or NA 0.22 fibers</li> <li>• Accepts collimated beams up to 22 mm in diameter</li> </ul>

## Universal Fiber Adapter

Princeton Instruments' Universal Fiber Coupler precisely positions the optical fiber at the entrance slit of Acton Series spectrometers or Raman filter chambers.

- X-Y micrometer control with  $\pm 2$  mm of travel
- Includes interchangeable inserts for 10 mm diameter ferrule, SMA-905 and FC-terminated fiber bundles



FC-446/LS-446 Universal Fiber Adapter

**Applications:**  
Raman Spectroscopy