



**FOR IMMEDIATE RELEASE**

## **Fiber-Optic Coupler is Now Available From Bristol Instruments**

*The new LC series Fiber-Optic Laser Coupler is a convenient way to launch a free-space laser beam into an optical fiber*

**VICTOR, NEW YORK February 22, 2006** – Bristol Instruments, Inc., a company founded by former employees of Burleigh Instruments, Inc., has announced the introduction of the LC Series Fiber-Optic Laser Couplers. The LC coupler can be used to launch a free-space laser beam into a fiber. Or, they can be used to return the laser to a collimated free-space beam.

The LC Series Fiber-Optic Laser Coupler is a small assembly with a 1”-diameter mounting disk attached to 3 meters of 9  $\mu\text{m}$  core-diameter fiber that is terminated with an FC/PC connector. The LC-1 Input Coupler includes built-in alignment optics that provide two slightly off-axis back reflections to facilitate alignment. With the LC-1 installed in a standard theta-phi optical mount, alignment is achieved by centering the laser beam on the input aperture, and then adjusting the mount so that the two back reflections straddle the input beam symmetrically. The LC-2 Output Coupler is identical to the LC-1, but without the alignment optics. It is used to return the laser to a collimated free-space beam.

“The LC Fiber-Optic Laser Coupler provides researchers with the opportunity to take advantage of the benefits of a laser beam that is in fiber,” said Dr. Brian Samoriski, President of Bristol Instruments. “A laser beam in fiber can be used with various instruments that employ fiber-optic input, and allows for greater versatility in experimental design since it is easier to manipulate a laser beam in fiber around a laboratory.”

### **About Bristol Instruments**

Bristol Instruments designs, manufactures, and markets precision scientific instruments used by scientists and engineers at colleges, universities, and government laboratories. Its unique optical interferometer-based products provide accurate spectral characterization that is important for applications such as high-resolution laser spectroscopy, photochemistry, and optical remote sensing.

Bristol Instruments is headquartered in Victor, New York. For more information, visit [www.bristol-inst.com](http://www.bristol-inst.com) or call at (585) 924-2620.