

## New Product Announcement

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### ***For Immediate Release***

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### ***FireWire® Laser Beam Profiler***

Spiricon announces a new line of Laser Beam Profilers using FireWire® equipped cameras, called LBA-FW. A FireWire camera connects directly to a FireWire equipped laptop computer without the need for a frame grabber card. This arrangement provides a convenient and portable beam analysis instrument. Both CCD and pyroelectric cameras are available, which cover the complete spectral range from UV to far IR. Cameras come in either a 12-bit or 14-bit digital configuration.

Until now, cumbersome interface limitations frustrated the fabrication of a compact and portable Laser Beam Profiler. Previously, both analog and digital cameras required an add-on PCI frame grabber card. Furthermore, in order to connect the unit to a laptop, stiff multi-wire parallel cable connected the PCI card to the laptop's PCMCIA slot via an adapter box—a less than ideal solution. FireWire cameras conveniently overcome this limitation by using the thin, flexible cable central to FireWire's IEEE 1394 specification.

This latest Spiricon innovation provides other advantages in that multiple FireWire cameras can operate on a single bus. This configuration enables simultaneous connectivity to multiple profilers. This proves especially useful for single shot, high power lasers wherein a user wishes to capture a single event in multiple locations in the optical train. These cameras easily capture both CW and pulsed lasers beams.

Spiricon's LBA-FW uses industry standard megapixel CCDs. And in conjunction with Spiricon's fluorescent plates, lasers in the UV can be inexpensively analyzed. Spiricon's Pyrocam III pyroelectric camera equipped with a 14-bit FireWire interface covers IR from 1 $\mu$ m to over 1000 $\mu$ m. Spiricon's included Ultracal™ baseline offset compensation continues to be the industry standard for accurate measurements.

#### Ordering Details

Shipping date: Available January 25, 2005

Delivery: 1 to 2 Weeks ARO

How to purchase: Order directly from the Spiricon factory by placement of a purchase order. Contact Spiricon for a free demonstration by an application engineer or you may test an LBA-FW FireWire camera in your own laboratory by placing a 30-day trial purchase order.

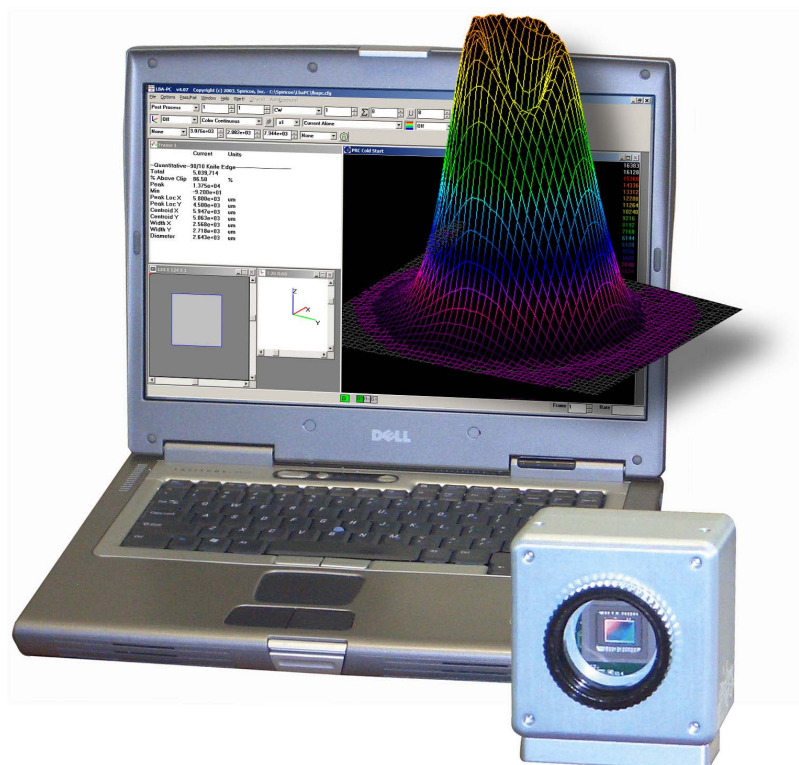
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#### Company Information

Spiricon Inc., the world leader in laser beam profile instruments for the past 27 years, produced the first linear pyroelectric array for laser beam diagnostics in 1978. The Pyrocam III

pyroelectric matrix array camera is the industry standard for measuring CO<sub>2</sub> and other IR and far IR lasers from 1µm to 1000µm. Spiricon's beam analysis algorithms revolutionized the accuracy of CCD camera measurement of visible and near IR lasers, using the patented Ultracal™ method of baseline setting. Other leading edge products from Spiricon measure beam focusability, wavefront phase, telecom device characteristics, and industrial laser reliability.

Spiricon continues to be the beam profiler industry leader for customer assistance and service. Regional Application Engineers regularly provide on-site demonstrations enabling users to evaluate a Spiricon Laser Beam Profiler themselves. Factory direct application engineers are available in the US for New England, Southeast, Midwest, Southwest, and Northwest regions. Factory-trained international application engineers are available in Germany and France, along with another 27 international distributors.



Laptop and LBA-FW FireWire CCD Camera



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