



LIA TODAY



Laser Product Showcase

FireWire Laser Beam Profiler

Spiricon announces Laser Beam Profilers using FireWire® equipped cameras, which connect directly to a laptop computer, providing a portable beam analyzer. Multiple FireWire cameras operate simultaneously and capture CW and pulsed laser beams. The LBA-FW uses standard magapixel CCDs, and with fluorescent plates, lasers in the UV can be analyzed. Spiricon's Pyrocam III covers IR from 1µm to over 1000µm. The included Ultracal™ baseline offset compensation remains the industry standard.

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Logan, UT 84341
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Flying Optics Laser

Finn-Power International has introduced the L6 – a new generation flying optics laser. The L6 features innovative linear drive motor technology to allow maximum speeds even in small notches or narrow contours. It is designed with the following features for enhanced flexibility and efficiency: linear drive technology for high speeds, up to 4,000kW laser power, extreme accuracy, auto focus cutting head, compact, modern design, and material flow for productive flexibility.

Finn-Power International, Inc.
710 Remington Road
Schaumburg, IL, 60173
847-885-3200
847-885-9692 fax
www.finnpower.com



Compact Excimer Laser

For the first time, the entire gas handling system is contained in a commercial excimer laser, thus reducing the planning, investment and running costs for the user. Different versions are available that vary in maximum repetition rate (200Hz or 500Hz) and wavelength (193nm or 248nm). The Xantos S™ reaches a maximum energy up to 18mJ at 248nm and performs with an energy stability of $s < 2\%$ (standard deviation).

Tuilaser AG
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719-487-8360 Fax
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An Outstanding Material Processing Tool

The DPSSL Aion Industrial (based on Nd:YV04 or Nd:YAG) offers very high laser peak powers at repetition rates up to 100kHz, which is the key technology for faster processing speed and low operation costs. Furthermore, the laser displays superior beam quality, excellent pulse-to-pulse stability and precise power control. Typical applications are: ID-card marking, soft/hard wafer marking, flip-chip marking, IC marking, deep structuring and solar cell processing.

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New BURLE MCP Selection Guide Available

This covers sizes from 4mm to 150mm diameter and 2- to 25-micron pores and is available free upon request. BURLE's exclusive Long-Life™ MCPs provide sustained output up to five times longer than standard MCPs. The 2-micron pore version provides the highest spatial and temporal resolution available. Extended Dynamic Range™ increases the maximum detection limit 10 times.

BURLE Electro-Optics
800-648-1800
508-347-4000
sales001@burle-eo.com
www.burle.com/bpi.



HR4000 Fiber Optic Spectrometer

The Ocean Optics HR4000 is a user-configurable, high-resolution miniature fiber optic spectrometer that is ideal for applications such as characterizing lasers and determining atomic emission lines. The HR4000 enables optical resolution as precise as 0.02 nm (FWHM). Features include a 3648-element detector that is responsive from 200-1100nm. A user-selected grating and entrance aperture determine the system's specific range and resolution. Programmable microcontroller has 10 digital I/Os, analog I/O and a pulse generator for external device triggering.

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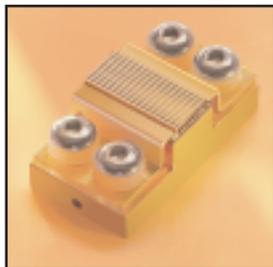


Laser Product Showcase

The LT-5000 delivers industry-leading power in a stacked array platform.

The LT-5000 Series array products provide powerful, high efficiency QCW lasers for the most demanding applications. Standard bar configurations range in power from 500W to 1kW. The LT-5000 is available at a standard peak operation wavelength of 808nm and can be optimized for a variety of different operation conditions.

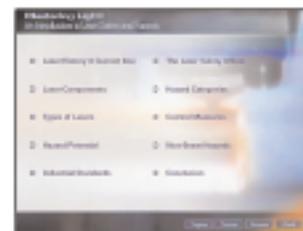
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Mastering Light Interactive CD

New from LIA is a training CD – *Laser Safety: Mastering Light* (pub. #203). Developed from LIA's popular *Mastering Light Video – An Introduction to Laser Safety*, this interactive CD version reviews the lasers' history and current uses, components, and various hazard issues. Control measures, including the duties of the laser safety officer, are detailed. The CD fulfills the ANSI Z136.1 and OSHA training requirements for employees working with or around Class 3b or Class 4 lasers.

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The Laser for Your Application.

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- Laser Marking & Engraving
- Micromachining & Ablation
- Power Monitoring

Visit our technical presentations:

LMF Session 2: Micro Cutting, Drilling & Shaping
TITLE: UV-MICROMACHINING BY EXCIMER LASER
Tuesday, November 1, 8:00 am

Laser Solutions Short Courses
TITLE: EXCIMER LASER MICROMACHINING
Thursday, November 3, 8:40 am



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