



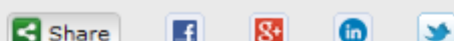
Thursday, December 10, 2015

Optics Manufacturers Rebound after Fires



It's one light source this industry would rather not deal with. Fire has affected four Northeast optics manufacturers in recent years, destroying inventory, machines and even entire buildings. Luckily no one was hurt. In the time since the fires, each of the companies has bounced back - and they have each other to thank. When disaster strikes, optics manufacturers band together to make sure their colleagues stay in business and that every last order gets filled.

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FEATURED VIDEO



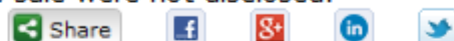
Ophir-Spiricon LLC - Everything to Measure Your Laser Beam

At Munich Laser Show 2015 OPHIR Spiricon presented a large range of Laser Power & Laser Energy Sensors with Meters and Laser Beam Profilers based on various unique techniques such as and i.e. pyroelectric cameras and the world's first NON-contact, real time focus monitor for high power laser beams called BeamWatch.

Hübner Acquires Cobolt, Expanding Test and Measurement, Process Control Business

The Hübner Group has acquired Cobolt AB, a supplier of lasers for analytical instrumentation applications based in Stockholm. Financial terms of the sale were not disclosed.

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Glass-to-Metal Firm LTI Acquires Ceramics Manufacturer Remtec

Remtec will remain an independent company operating under the existing management team at its present location in Norwood, Mass., which includes a 33,000-square-foot manufacturing facility. Financial terms of the deal were not disclosed.

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Featured Products



Digital Laser Rotary Encoder

Canon U.S.A. Canon R-1 series Laser Rotary Encoders offer high performance (high resolution, accuracy, and precision) in a very compact 36mm diameter body.

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Asian Prices with US Quality

Gurley Precision Instruments Gurley Precision Instruments is the one-stop-shop for custom optics without the catalog company mark-ups. High quality lenses, prisms, filters, mirrors, optographics, assemblies, and more.

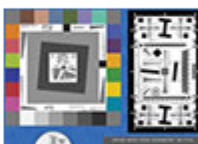
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InGaAs Photodiodes

Fermionics Opto-Technology Fermionics manufactures InGaAs photodiodes for data, voice, and video communications, large-area photodiodes for instrumentation and sensing applications, and linear and digital arrays.

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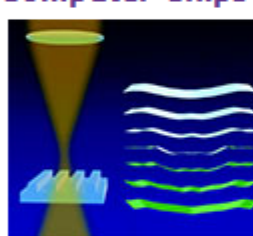
Test Targets, Charts & Arrays

APPLIED IMAGE Inc. In addition to our extensive catalog products, APPLIED IMAGE offers a wide selection of Test Targets, Charts, and Arrays as well as our sinusoidal patterns and IMAGING Gauge software.

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Computer Chips Measured Using Optical Scatterfield Technique



Using a microscope that combines standard through-the-lens viewing with scatterfield imaging techniques, researchers have accurately measured silicon wafer features 30 times smaller than the wavelength of light.

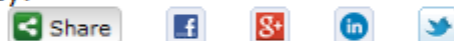
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Technique Sinters Thin Films at Lower Temps

Engineers at Oregon State University have discovered that previous approaches to photonic sintering were based on a flawed view of the basic physics involved, leading to gross overestimation of product quality and process efficiency.

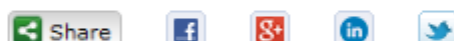
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Faro Picks Former CEO Simon Raab as Interim Leader

Raab has served as chairman of the Faro board of directors since its inception in 1982. He was CEO from 1982 until January 2006, co-CEO from January to December 2006 and president from 1986 to 2004.

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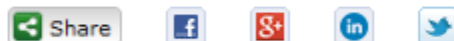


To get the most out of solar panels, scientists are stretching and twisting them, dipping them in acid and even adding invisibility cloaks. Check out the latest ideas for harvesting the sun's energy this week on Light Matters!

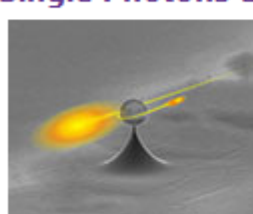
Bridging Nanoparticles Creates Reversible Color Change for Displays

A method for building tiny "drawbridges" could allow engineers to use standard electrical switching techniques to construct color displays from pairs of nanoparticles that scatter different colors of light.

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Single Photons Separated from Light Pulses



Separating single photons from pulses of light could enable eavesdropping on encrypted quantum communications - and it could also help make such channels more secure.

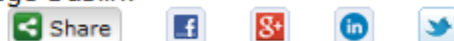
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Plasmons Enhance Detection of Wavefront Aberrations

The method detects wavefront aberrations indirectly by measuring changes in the reflectivity of gold films. It may be the first to use plasmons to address a classical optics problem, according to its developers at University College Dublin.

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Industry Events



LED Expo Benelux - Jan. 27-28, 2016 · Brabanthallen Den Bosch, Netherlands
This exhibition offers an extensive overview of suppliers, distributors, importers, wholesalers and manufacturers of LED bulbs, profiles, dimmers and indoor and outdoor fixtures, as well as light designers and lighting consultancy firms.
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