PHOTONICS spectra®

Featured Article

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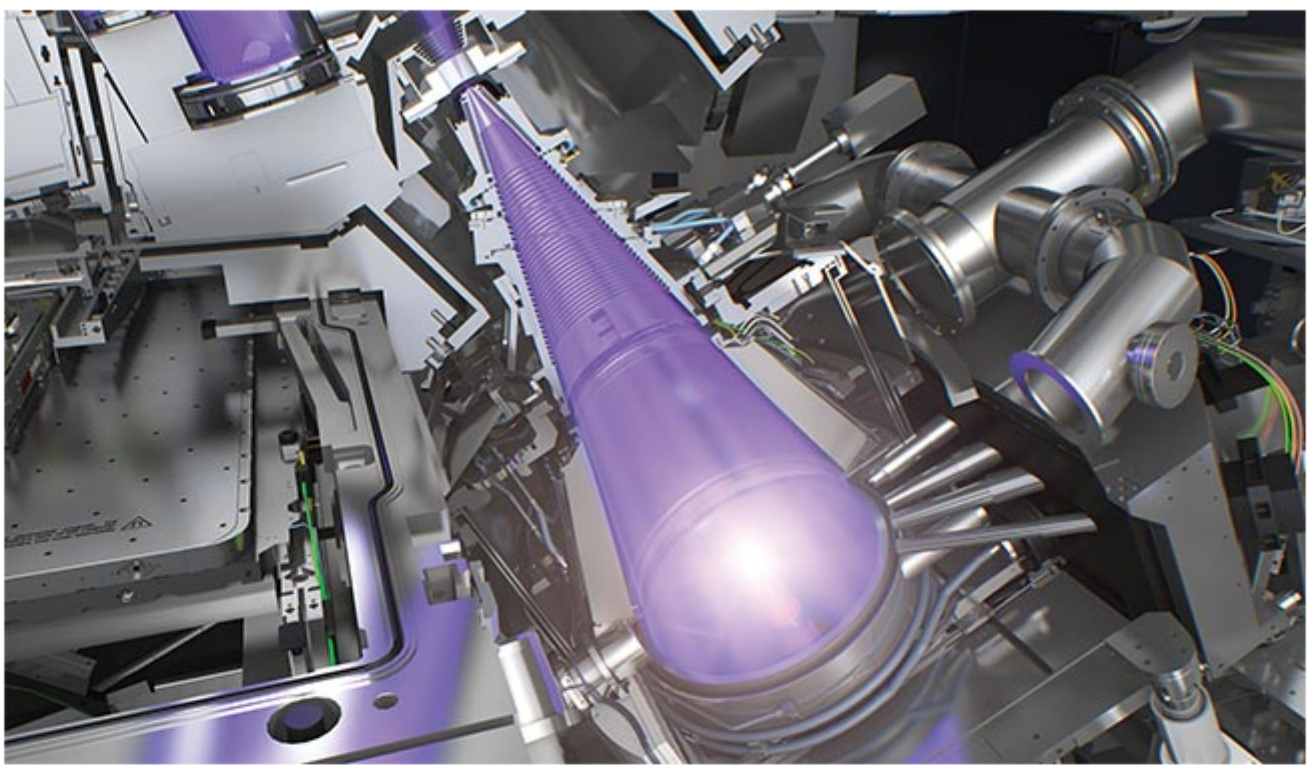
In Semiconductor Manufacturing and Beyond, Extreme-Ultraviolet Extends Its Reach



In enabling users to manipulate materials at the atomic scale, extreme-ultraviolet lithography is paving the way for chip design, metrology, and a range of additional science applications.

Read Featured Article

Featured Products

[Compact UV Laser at 349 nm]

HUBNER Photonics GmbH

HÜBNER Photonics announces the addition of a new wavelength in the Cobolt 05-01 Series. The Cobolt Kizomba™ 349 nm laser delivers up to 50 mW in a perfect TEM00 beam, with excellent beam pointing stability, extremely low noise (<0.7% rms) and very narrow linewidth (<500 kHz), making it perfectly suitable for flow cytometry, interferometry and Raman spectroscopy.

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[Trust Your Photons]

DRS Daylight Solutions Inc.

Meet Stretto, a family of high-performance external cavity diode lasers spanning UV to infrared wavelengths. Purpose-built for quantum research and OEM integration, Stretto offers exceptional stability, wide wavelength coverage, and rugged durability. Visit us at Booth A2.237 at Laser World of Photonics to learn more.

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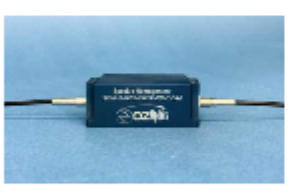

[In-Line Fiber Speckle Homogenizer]

OZ Optics Limited

OZ Optics' new In-Line Multimode Fiber Speckle Homogenizer reduces speckle contrast by over 90% at 100 Hz, delivering uniform illumination for multimode fiber systems. Ideal for life sciences, flow cytometry, laser projection, and metrology, it supports broad UV to NIR wavelengths.

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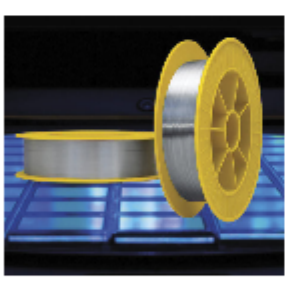

[High-Solarization UV Fibers]

CeramOptec

CeramOptec's innovative UV-fibers offer exceptional solarization resistance in the 190-200 nm range and support core diameters from 100 µm to 2100 µm — even in non-circular shapes. With low attenuation for blue high-power laser, strong resistance to harsh environments and reliable performance up to 400 ° C, they serve critical photonics fields like spectroscopy, laser delivery, and semiconductor manufacturing.

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