



Photonics Showcase

[Liquid Light Guides](#)

From: Lumatec GmbH

Liquid Light Guides are flexible, unbreakable, and very durable, and they have significantly better transmission, more homogeneous illumination, and a larger aperture than fiber bundles at lower costs! They are the perfect solutions for applications that demand uniform, high-intensity light. We offer four different series designed for diverse spectra ranging from ultraviolet to infrared and a broad selection of end fittings.

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[HP+ & HPI+ Fixed Focal Length Lenses](#)

From: Edmund Optics

TECHSPEC® HP+ & HPI+ Series Fixed Focal Length Lenses deliver exceptional performance for factory automation and machine vision imaging. Matched to Sony 4th Gen Pregius S™ sensors, they're optimized for high-resolution imaging at factory distances, designed for 2.74 μm pixels, and offered in compact, rugged versions with fixed apertures — so you get full sensor performance at your working distance.

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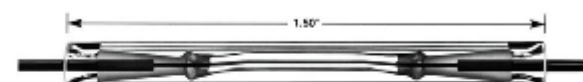
[Norland Optical Splice](#)

From: Norland Products Inc.

Norland's optical splice provides a high-performance connection for optic fibers in a unique one-piece design.

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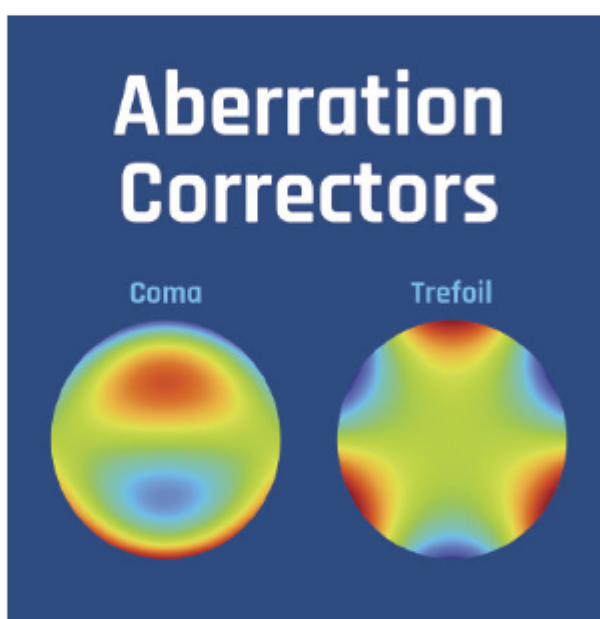
[Aberration Corrector](#)

From: PowerPhotonic Ltd.

PowerPhotonic freeform aberration compensators are a cost-effective solution for correcting aberrations in laser systems — pointing, defocus, astigmatism, coma etc. Manufactured in fused silica, our compensators have an extremely low scatter and low loss. They can be used in high power applications such as laser inertial fusion or low light applications such as fluorescence microscopy and cytometry.

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[Multi-Wavelength Laser Diode Modules](#)

From: AKELA Laser Corporation

Versatile lines of multi-wavelength and high-power fiber-coupled laser diode modules for medical and industrial applications combining emitters from 375 to 2000 nm. Over fifty standard module designs and wavelengths combinations. Limitless potential custom configurations. Quick prototyping. One module, multiple applications. Seamless and fast transition from pilot batches to volume production.

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[IRsweep Dual-Comb Spectrometer](#)

From: Thorlabs Inc.

Thorlabs' IRsweep spectrometers feature user-exchangeable quantum cascade laser (QCL) pairs designed to produce frequency combs. This patented dual-comb measurement technique allows for the simultaneous observation of multiple spectral peaks with superior signal-to-noise compared to traditional Fourier transform infrared spectrometers, enabling time-resolved fingerprint region spectroscopy.

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[CMOS Shack-Hartmann Wavefront Sensor](#)

From: DataRay Inc.

DataRay's new WaveCamD CMOS Shack-Hartmann wavefront sensor is ideally suited for CW and pulsed wavefront measurements. With a 9×9 mm microlens array (MLA), 60×60 lenslets with 150 μm pitch, its Zonal (numerical) or modal (Zernike) reconstruction methods provide flexible options to quickly and efficiently characterize wavefronts in a single-shot.

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[Optical Filters for Microscopy](#)

From: Chroma Technology Corp.

Enhance your imaging system with Chroma's precision optical filters. Engineered for confocal, multiphoton, TIRF, light-sheet, and super-resolution microscopy, our filters optimize signal-to-noise, spectral separation, and transmission from UV to IR. Built to ISO/MIL standards and fully customizable, they ensure reliable performance for both standard and custom microscope platforms.

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