

PHOTONICS SHOWCASE



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Featured Products & Services

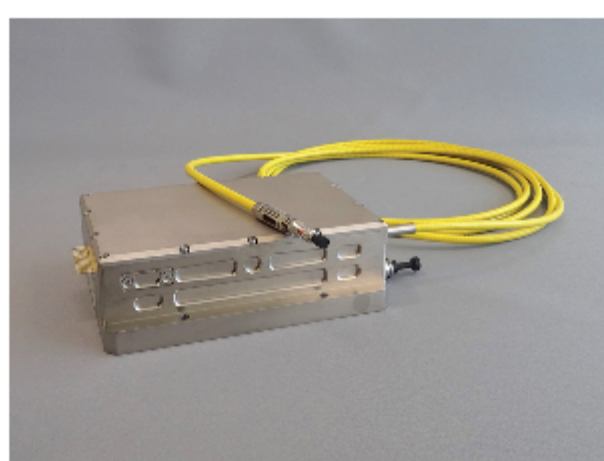
[450nm Blue Diode Laser](#)

From: **PhotonTec Berlin GmbH**

The 450nm diode laser emits up to 200W from a single fiber with a core diameter as small as 100µm. The diode module comes with hermetically sealed package, water cooling baseplate and a high-power SMA connector. Thermistor and photodiode are integrated in the package. To drive the diode an appropriate power supply is available. 450nm laser is an idea light source for processing non-ferrous metals such as gold, copper and copper alloys.

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[High-Quality Laser Welding](#)

From: **RAYLASE GmbH**

Do you plan to upgrade your laser welding production? Then get to know our AXIALSCAN FIBER RD-30! Its prefocusing optics cover large workpieces at high laser power, while an integrated fiber-coupling ensures a smooth integration. Together with our RAYSPECTOR in-focus observation, the ASF RD-30 offers reliable and precise in-process monitoring and ensures your production quality even for complex applications.

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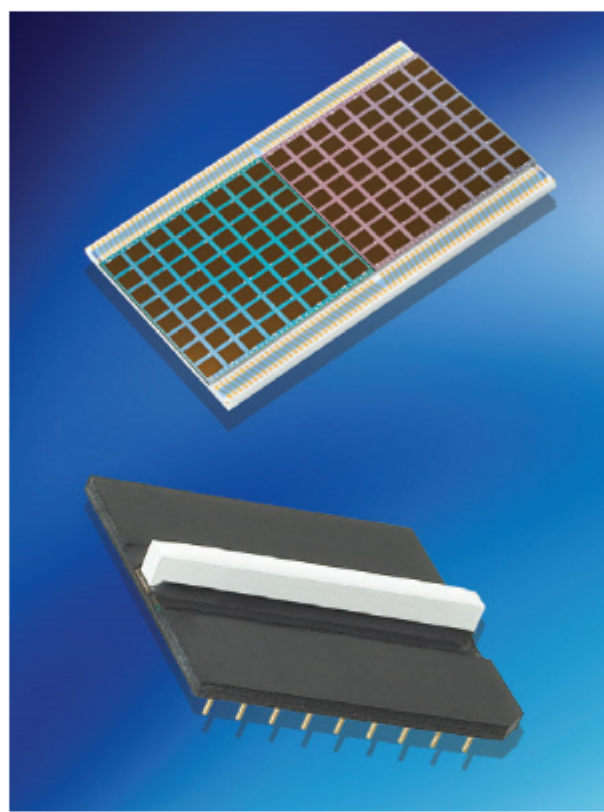
[Multi-Element X-Ray Photodiodes](#)

From: **OSI Optoelectronics Inc.**

OSI Multi-element X-Ray series consists of 16-element arrays. The individual elements are grouped together and mounted on PCB for X-ray or Gamma-ray application. These multi-channel detectors offer scintillator-mounting options such as BGO, CdWO4 or CsI(Tl). Visit our site for further information.

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[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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[872 Series Laser Wavelength Meter](#)

From: **Bristol Instruments Inc.**

The 872 Series High-Resolution Laser Wavelength Meter is ideal for the frequency stabilization of lasers. Offering a frequency resolution as high as 200 kHz, the 872 Series provides exceptional sensitivity to wavelength deviations. With a built-in PID controller and 1 kHz sustained measurement rate, the 872 Series is well suited to precisely stabilize lasers used in applications such as atomic cooling and trapping.

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[Fast. Custom. Lenses.](#)

From: **Rainbow Research Optics LLC**

Rainbow Research Optics specializes in high-precision custom glass and IR lenses for critical applications in the defense, life science, and industrial markets. Full in-house capabilities including fabrication and VIS/ MWIR thin-film coatings for fast delivery and high levels of service. Materials include all glass, CaF2, Si, Ge, ZnSe, and ZnS. Made in U.S., ITAR registered, and ISO certified.

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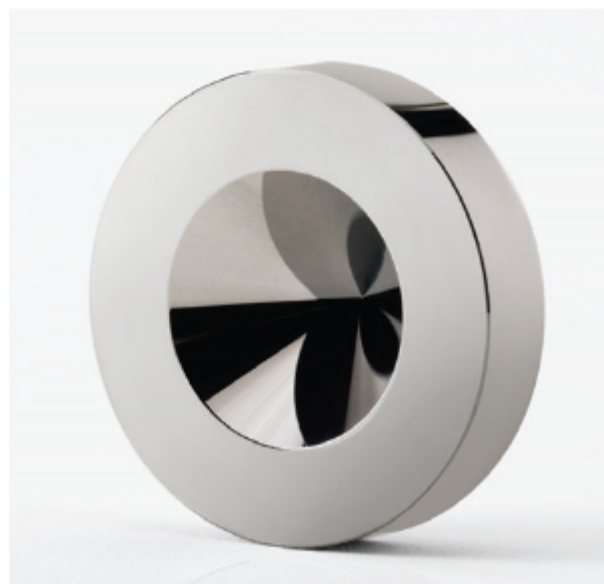
[Diamond Turning: Exotic IR Optics](#)

From: **Reynard Corporation**

Reynard Corporation has in-house diamond turning capabilities to fabricate optical elements with high accuracy and a focus on IR, exotic, and III-V crystal materials. Aspheric, axicon, cylindrical, spherical, & freeform geometries as well as reverse axicons with 360-degree windows are customized to unique applications. DPT techniques used include axis-symmetric grinding, rotary B-axis grinding, polygon flycutting & spiral milling. ISO 9001:2015

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