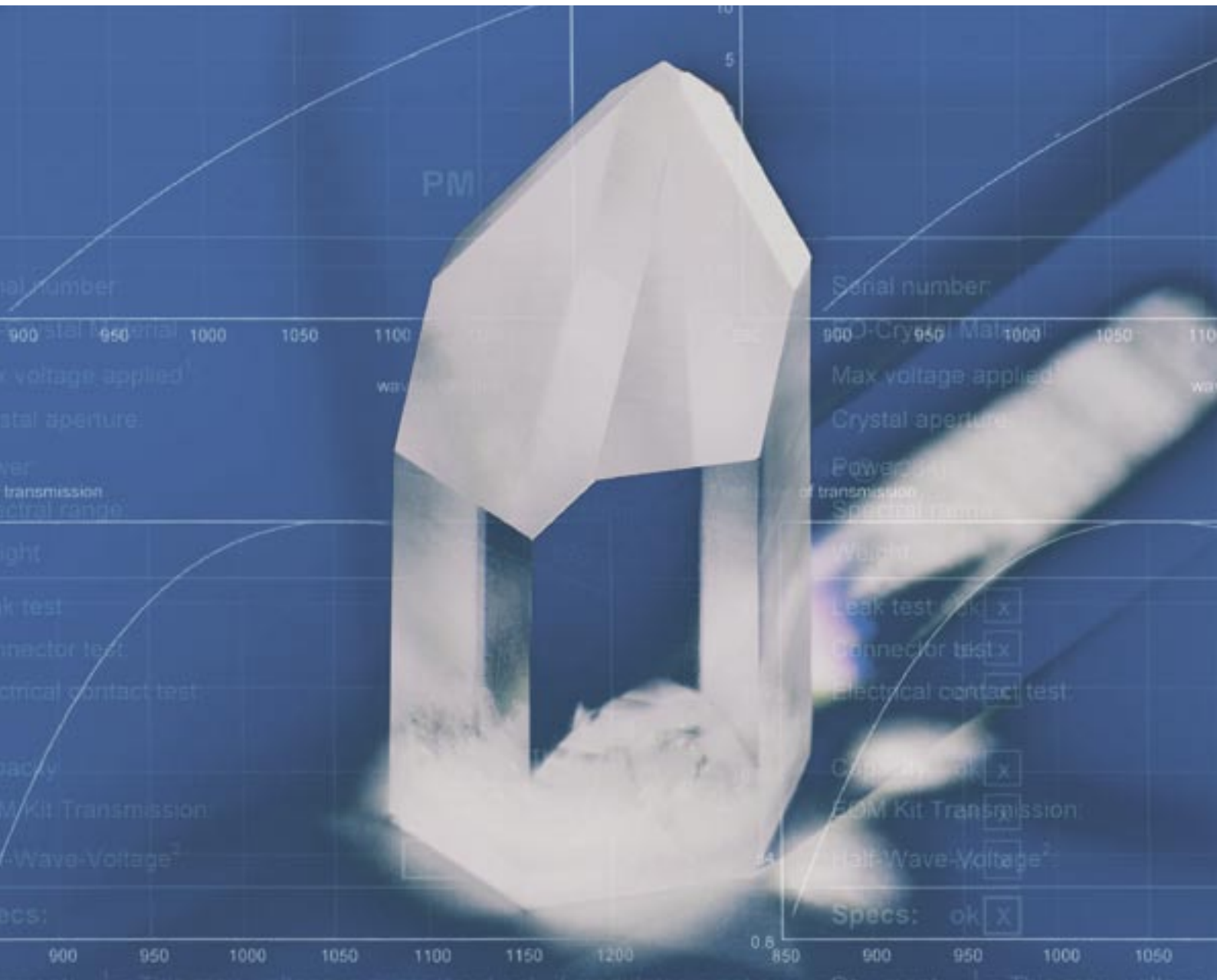


# Optics for Lasers



## Our focus: your OEM need for customized technology

Since the inception of the laser over 40 years ago, LINOS Photonics has provided the highest quality components for lasers and laser based systems. Bringing to bear the experience and resources of the former companies Gsänger, Spindler & Hoyer and Rodenstock Präzisionsoptik, we work closely with our customers to develop cutting edge technology in electro-optics, magneto-optics and opto-mechanical assemblies. This allows us to offer the industry's most advanced standard and custom products for this rapidly developing industry.



<b>Pockels cells</b>	<p>LINOS processes and quality control ensure that our Pockels cells offer exceptional homogeneity throughout the entire crystal providing higher reliability. Our extensive crystal offerings allow us to provide high extinction and/or low switching voltages.</p>	<b>Faraday isolators</b>	<p>Cutting edge technology at LINOS has resulted in Faraday isolators and -rotators for laser applications with a much smaller size. Our use of the highest quality TGG crystals ensures high transmission and exceptional beam quality.</p>
	<ul style="list-style-type: none"> <li>• Crystals include: KD*P, our unique highly deuterated KD*P, RTP, BBO, and LiNbO<sub>3</sub></li> <li>• Designs include: Standard-, compact-, miniature-, double-, and Brewster</li> <li>• Aperture sizes up to 16 mm</li> <li>• Custom OEM designs available</li> <li>• Available with mounted and adjusted wave plate and/or intracavity polarizer</li> </ul>		<ul style="list-style-type: none"> <li>• Single- or double staged and tunable isolators</li> <li>• Designs include: Standard-, compact-, and miniature</li> <li>• Available for UV, VIS and NIR applications</li> <li>• Aperture sizes up to 8 mm</li> <li>• Various isolation ratios available</li> <li>• Custom OEM designs available</li> </ul>
<b>Laser modulators</b>	<p>LINOS laser modulators are available in a broad spectrum of wavelengths and proven quality.</p>	<b>NLO crystals</b>	<p>LINOS has a full selection of non-linear crystals manufactured to exacting customer specifications.</p>
	<ul style="list-style-type: none"> <li>• Crystals include: KD*P, unique highly deuterated KD*P, ADP and others</li> <li>• Available in designs through the UV, VIS, and IR regions</li> <li>• Universal-, intensity-, and phase modulators</li> <li>• Custom OEM designs available</li> </ul>		<ul style="list-style-type: none"> <li>• ADP, BBO, KDP, KD*P, KTP, KNbO<sub>3</sub>, LBO, LiIO<sub>3</sub>, LiNbO<sub>3</sub>, ...</li> <li>• Mounted or unmounted</li> <li>• Available with optional oven and controller</li> </ul>
<b>Driver electronics</b>	<p>To complete your application, LINOS offers controllers specifically designed for use with Pockels cells and laser modulators.</p>	<b>Laser crystals</b>	<p>LINOS offers a wide selection of laser crystals manufactured to our customers exact specifications.</p>
	<ul style="list-style-type: none"> <li>• High speed modulation</li> <li>• Custom OEM designs available</li> </ul>		<ul style="list-style-type: none"> <li>• Crystals include: Nd:YVO<sub>4</sub>, Nd:YAG, Cr:YAG, Ti:Sapphire, Ruby, Yb:YAG, ...</li> <li>• Various high power coatings are also available</li> </ul>
<b>Optical components and systems</b>	<p>LINOS also offers a full complement of standard optical and mechanical components and systems for lasers and laser related applications.</p>	<b>Systems and Development</b>	<p>Additional services and systems provided by the LINOS team include.</p>
	<ul style="list-style-type: none"> <li>• Intracavity high power polarizers</li> <li>• Polarizers</li> <li>• Spherical and aspherical optics</li> <li>• Plano-optics and prisms</li> <li>• Lenses and lens assemblies with laser grade performance</li> <li>• Beam Expanders, HALO</li> <li>• Fiber coupling systems</li> </ul>		<ul style="list-style-type: none"> <li>• Mechanical and opto-mechanical systems</li> <li>• Realization of systems and modules on request</li> <li>• Consulting, project management and customized developments</li> </ul>

Please see our main catalog or website or contact us for more information on our optical components and lens systems.

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