



FOR IMMEDIATE RELEASE

Product Announcement: Crystal Quartz Waveplates for HEL Applications

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Perkins Precision Developments (PPD) is pleased to announce that we now offer custom crystal quartz waveplates with low loss AR coatings for use in the visible and near-infrared.

PPD uses laser-grade crystal quartz to produce multiple-order, low-order and compound zero-order waveplates with retardations of quarter-wave, half-wave or anything in-between. Compound zero-order waveplates and multi-element waveplate assemblies utilize in-house IBS coatings and epoxy-free bonding technology to create precise, thermally stable components suitable for high power applications with energy densities exceeding 20 J/cm² !

Says Jay Perkins, owner and CEO: "Expanding our polarizer product line to include waveplates is something that we've wanted to do for some time. Developing the polishing techniques, adhesive-free assembly and metrology processes required is an achievement that our whole team should be proud of. Our customers indicated a need for ITAR compliant precision waveplates and waveplate assemblies, and we believe these components will exceed their expectations."

Perkins Precision Developments is committed to providing high-quality, precision-crafted optical components tailored to your needs. By combining our expertise in optical fabrication with an industry-leading IBS coating process, we've created a product that maximizes performance while minimizing losses. We invite you to explore how our waveplates can enhance your optical systems and offer you a competitive edge in your field.



PPD's custom IBS coatings and polarizers are fully manufactured in Colorado, and available for single and narrow-band laser wavelengths from 375nm to 2100nm. Please call us for more information or to discuss your specific requirements for laser mirrors, precision polarizers, low absorption optical coatings and epoxy-free optical assemblies.

About Perkins Precision Developments:

PPD provides custom laser optics, assemblies and thin film coatings using advanced fabrication techniques and with an emphasis on consistency, quality and customer service. Target applications include semi-conductor test and inspection equipment, high energy laser systems, material processing, quantum research, aerospace and defense.

For more information visit PPD at www.perkinsprecision.com or contact:

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