

# NEWS RELEASE

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**Precision Glass & Optics (PG&O®)**

3600 West Moore Ave.  
Santa Ana, CA 92704  
Contact: Thad Sanchez, Director of Sales  
Phone: 714-540-0126  
Fax: 714-540-1482  
Email: [info@pgo.com](mailto:info@pgo.com)  
Web Site: [www.pgo.com](http://www.pgo.com)

**Media Contact: Marlene Moore**

Smith Miller Moore Inc.  
Phone: 818-708-1704  
Email: [marlene@smithmillermoore.com](mailto:marlene@smithmillermoore.com)

*For Immediate Release*

## **PG&O Introduces Beamsplitter with 200:1 Extinction Ratio for High Power Laser Apps**

**July 23, 2014 – Santa Ana, CA – Precision Glass & Optics (PG&O - [www.pgo.com](http://www.pgo.com))**, global experts in optical manufacturing, customized optical solutions, and precision thin film coatings, introduces a new polarizing beamsplitter cube that splits up the S & P polarization of light with an extinction ratio of  $T_p/T_s$  200:1 and higher. This thin film coating innovation is especially important for high-power laser applications up to 10J/cm<sup>2</sup> pulsed and continuous wave (CW). All of the entrance and exit faces are coated with PG&O's high-power, anti-reflection coatings to improve the overall performance of the cube. These advanced optical coatings operate at wavelengths ranging from 200 nm – 2500 nm and can be customized to meet unique and critical requirements.



According to President Dan Bukaty, Jr., “The 200:1 ratio maximizes the split between S&P polarization which can be a critical factor in some high-power laser tasks. We are very excited about this new, higher extinction ratio because it escalates the level of proficiency to our beamsplitter thin film coating technology.”

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The new 200:1 extinction cube polarizing beamsplitters are useful in applications where the two polarization components are to be analyzed, or used simultaneously. PG&O's optical thin film coating technology, along with the company's large in-house inventory of optical glass products, and full optical fabrication facility, provides highly precise optical coatings that can be customized and specified (up to 24 inches diameter) to meet exact wavelength and/or angle requirements.

PG&O will be exhibiting at SPIE Optics & Photonics, August 19 – 21, 2014, at the San Diego Convention Center, San Diego, California. To learn more about the new polarizing beamsplitter cubes, please visit booth # 635. For more information about PG&O's full line of products and capabilities, please visit: [www.pgo.com](http://www.pgo.com).

**Precision Glass & Optics (PG&O®)– [www.pgo.com](http://www.pgo.com)**– PG&O has delivered high quality, precision glass, optics, and optical coatings for a variety of applications for over 25 years. The company has an extremely large inventory of glass products and a full optical fabrication shop to provide advanced optical coatings and manufacturing large mirror blanks. Other services include CNC machining, polishing, slicing, sawing, scribing, grinding, edging, assembly, and more. With three large coating chambers, and an expert, in-house engineering staff, our cost-effective and reliable optics and advanced thin film coatings are ideal for military, aerospace, biomedical, imaging, laser, digital cinema, solar markets, and more.