



## PPC introduces Non-Polarizing plates and beamsplitter cubes

BOULDER, Colorado (March 30, 2007): Precision Photonics Corporation (PPC), a leading provider of ultra-precise optics and opto-mechanical assemblies, announces a new line of laser-line non-polarizers for visible and near-infrared applications. Like our wide selection of high-energy polarizing beamsplitters and beam combiners, these components utilize PPC's advanced ion-beam-sputtering (IBS) coatings and Telecordia-qualified CADB™ epoxy-free bonding technique to provide you with stable, low-loss optical components that are both athermal and suitable for high power applications.

The phase-preserving all-dielectric designs achieve polarization separation of less than 5% in both transmission and reflection with a 50/50 split ratio. Typical applications include phase sensitive heterodyne detection, optical demodulation and as components in Michelson interferometers used for dispersion compensation and interleaving.

Custom non-polarizing beamsplitter cubes are available at 1550nm with a phase separation of less than 10 degrees. Cube sizes range from 1mm to 25mm with angle tolerances as low as 30 arcseconds and transmitted wavefront error of less than  $\lambda/10$  at 633nm. Non-polarizing plate beamsplitters can be manufactured at a variety of wavelengths from 500-2100nm with damage thresholds in excess of  $5\text{J}/\text{cm}^2$  at 1064nm.

### **About Precision Photonics:**

Precision Photonics Corporation (PPC) manufactures optical components and instruments targeting applications in telecommunications, defense, aerospace, biomedical, and semiconductor manufacturing. By applying the latest advances in laser control and precision optical metrology, PPC is able to offer price-competitive, short lead-time manufacturing at the very highest levels of precision, whether for as few as 10 or as many as 10,000 units.

For more information visit PPC at [www.precisionphotonics.com](http://www.precisionphotonics.com) or contact:

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