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## NEWS RELEASE

### Redfern Integrated Optics, Inc. Expands Product Series with Higher Power

*RIO Will Showcase the New High-Power RIO GRANDE Laser at Photonics West*

**Santa Clara, Calif. – January 22, 2010** – Redfern Integrated Optics, Inc. (RIO), the leading supplier of low noise external cavity lasers and subsystems for fiber optic sensing, LIDAR, reflectometry, RF photonics and other applications, today announced an expansion of its line of industry-leading PLANEX™ and ORION™ products with the introduction of the RIO GRANDE high-power single frequency laser. RIO will showcase this new product, in module and benchtop configurations, in booth #1138 at the *Photonics West 2010* tradeshow in San Francisco, Calif., January 26-28, 2010.

The RIO GRANDE high-power laser is positioned to provide end users with robust solutions in easy-to-use form factors that best meet their requirements. The RIO GRANDE Module provides 0.1W to 1W of optical power, narrow linewidth and low phase noise, over the eye safe regions of the C-Band (1530nm-1565nm). A RIO-supplied Graphical User Interface (GUI) further allows for simple integration into advanced fiber optic sensing systems. The RIO GRANDE Benchtop provides 0.1W to 10W of optical power. Communication with either model is accomplished via standard industry interfaces.

“Our PLANEX™ semiconductor-based seed laser and industry-proven CATV EDFA (MOPA design) ensure reduced sensitivity of the RIO GRANDE module to mechanical and acoustic vibrations – perfectly matched to withstand harsh environmental conditions while preserving low power consumption and system heat dissipation,” said Radu Barsan, chairman, president and CEO of RIO “The design guarantees no performance degradation as compared to an ORION™ module of the RIN, linewidth and phase noise over the operating case temperature of 0-70C.”

The high-power RIO GRANDE, ideal for sensing, LIDAR, high-resolution metrology and general research and development applications, is available now.

#### **About RIO Inc.**

Redfern Integrated Optics, Inc. (RIO) develops and manufactures optical sources and subsystems based on its proprietary planar external cavity laser technology (PLANEX™), which delivers unique price-performance advantages in multiple markets. RIO's product lines include 1550nm single frequency narrow linewidth lasers and modules with very low noise, unparalleled wavelength stability, low cost, small size, low power dissipation, and Telecom grade lifetime reliability. For more information, please visit [www.rio-inc.com](http://www.rio-inc.com).

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