



Oclaro and Laserline to Demonstrate Industry Leading Beam Quality at LASER 2009

San Jose, Calif., – June 17, 2009 – At LASER World of Photonics, Oclaro, Inc. (Nasdaq: OCLR), a provider of optical components for industrial applications, will jointly present with leading laser systems manufacturer Laserline one of the industry's highest beam quality 4kW Direct Diode laser system. The breakthrough beam quality is enabled by the Oclaro 80W Very High Brightness (VHB) bar, and will allow direct diode systems to compete with Solid State and CO₂ laser systems on applications such as keyhole welding and sheet metal cutting.

The 4kW system has a beam parameter product (BPP) of just 30mm x mrad, delivering a small spot size and unprecedented performance for a Direct Diode system. Laserline will be launching the 4kW system at LASER World of Photonics. Product demonstrations will take place on the Oclaro booth (#C1.341) and the Laserline booth (#C2.560).

"We have worked very closely with the Oclaro high power laser team to develop this cutting-edge product," said Volker Krause, Managing Director and Co-Founder of Laserline. "The VHB bar is excellently tailored to our application and Oclaro has the skills and the expertise to support the complex design process to capitalize on high powers and high efficiency from such small footprints."

The 80W VHB bar offers up to four times the brightness of a typical 10mm bar and measures just 3.2mm in width. The product supports direct industrial laser systems and enables fiber coupling without expensive beam transformation optics by delivering high output power and a narrow emitting area.

"Laserline consistently challenge us to deliver the highest quality products that enable them to advance their laser systems and compete in new, high value markets," said Senior Product Line Manager Christian Naumer. "The relationship that we have with Laserline perfectly demonstrates our values and ethos as a company – to be technologically innovative, and to offer the best in customer service; we are delighted to be demonstrating this latest outstanding laser system. Having played a key role in achieving this breakthrough level of beam quality we continue to innovate to enable even higher performing products."

Also at LASER, Oclaro will show new, higher power bar products, including the 200W bar – the highest continuous wave (CW) power laser diode bar commercially available – with wall



plug efficiency of 65 percent, a series of 150W bar products at 9xx and 10xx nm, and a 100W 808nm bar.

Like all Oclaro high power laser products, the front facet of the bar products is protected against Catastrophic Optical Damage (COD) by the Oclaro E2 mirror passivation process. Telecom grade AuSn (gold tin) hard solder makes the product suitable for demanding industrial and defence applications in CW and hard-pulse operation mode.

Oclaro was formerly Bookham, Inc. prior to its merger with Avonex Corporation last April. The company also recently announced entering into a definitive agreement with Newport Corporation which, if the transaction closes, will, among other things, provide Oclaro with a portion of the Newport Spectra Physics high power laser diode business. Oclaro will continue to leverage its cutting edge, high reliability laser diode manufacturing facilities to service industrial, defense and medical markets with high power lasers and VCSELs.



Image caption: The Oclaro Very High Brightness bar, 80W from 3.2mm at 910 to 1070nm



Image caption: The Laserline LDF 4000-30; 4kW at 30mm x mrad



About Oclaro

Oclaro, with headquarters in San Jose, California, is a tier 1 provider of high performance optical components, modules and subsystems to the telecommunications market, and is one of the largest providers to metro and long haul network applications. Oclaro, the result of the combination of Bookham, Inc. and Avanex Corporation, leverages proprietary core technologies and vertically integrated product development to provide its broad customer base with cost-effective and innovative optical solutions. The company's Advanced Photonics Division is chartered with driving Oclaro's diversification and growth into new markets, leveraging Oclaro's strong brand, chip design and manufacturing expertise. Oclaro is a global company, with leading chip fabrication facilities in the U.K., Switzerland and Italy, and manufacturing sites in the US, Thailand and China.

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