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QPC Lasers Ships High Power Laser to U.S. Department of Defense Customer

BrightLase® Fiber Laser Pump Engine Designed for Next Generation Airborne Weapons Applications

Sylmar, CA –April 23, 2008 – QPC Lasers, Inc. “QPC” (OTCBB: QPCI), a world leader in the development and commercialization of high brightness, high power semiconductor lasers for the consumer, industrial, defense, and medical markets, today announced it has delivered a high power laser to a U.S. Government Department of Defense customer to be used as a fiber laser pump engine for next generation airborne directed energy weapons applications.

The deliverable marks a key milestone in QPC’s ongoing development contract with this U.S. government customer that has awarded QPC \$1.75 million in contracts since April of 2007 (see October 29, 2007 press release). The BrightLase® high power laser leverages QPC’s patented and proprietary semiconductor laser technologies that are designed to achieve a 10x reduction of cost, size, and weight compared to conventional laser technology.

“Today’s high-energy lasers are based on inefficient and bulky traditional technologies such as chemical lasers, but the future belongs to more efficient and compact diode pumped lasers. We believe that high power, compact and efficient chip-based diode lasers using QPC technologies are poised to become crucial elements in deployable high energy weapons,” said Dr. Jeffrey Ungar, co-founder and CEO of QPC. “With this delivery, we continue the refinement of our Generation III laser technologies for both military and commercial applications. These Generation III lasers enable a broad base of potential commercial applications and since their launch in September of 2007, have generated over \$13 Million of new commercial contracts for defense, Laser TV, surgical and therapeutic applications,” Ungar concluded.



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QPC lasers under development for the US Department of Defense leverage several of QPC's unique capabilities, including:

- HPSEL™ chip architectures, which enables QPC to place hundreds of high-brightness surface emitting lasers onto a single chip and which are designed to provide large cost, and weight savings compared with conventional laser technologies.
- BrightLase® high power high brightness lasers which are designed to produce laser beams orders of magnitude brighter than conventional semiconductor lasers used in industrial and medical applications.
- BrightLock™ on-chip gratings which narrow the output spectrum of the laser while stabilizing the emission wavelength over a broad temperature range.
- Rugged military fiber coupled laser packages designed for reliable operation in demanding military environments applications.

Forward Looking Statements

This release and other materials released by the Company from time to time contain or may contain forward looking statements and information that are based upon beliefs of, and information currently available to, the Company's management as well as estimates and assumptions made by the Company's management. When used in the materials the words "anticipate", "believe", "estimate", "expect", "future", "intend", "plan" or the negative of these terms and similar expressions as they relate to the Company or the Company's management identify forward looking statements. Such statements reflect the current view of the Company with respect to future events and are subject to risks, uncertainties, assumptions and other factors (including the risks contained in the sections of the Company's reports filed with the Securities and Exchange Commission entitled "Risk Factors") relating to the Company's industry, the Company's operations and results of operations and any businesses that may be acquired by the Company. Should one or more of these risks or uncertainties materialize, or should the underlying assumptions prove incorrect, actual results may differ significantly from those



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anticipated, believed, estimated, expected, intended or planned. Although the Company believes that the expectations reflected in the forward looking statements are reasonable, the Company cannot guarantee future results, levels of activity, performance or achievements. Except as required by applicable law, including the securities laws of the United States, the Company does not intend to update any of the forward-looking statements to conform these statements to actual results. The following discussion should be read in conjunction with the Company's reports filed with the Securities and Exchange Commission.

About QPC Lasers, Inc.

QPC Lasers, Inc. (www.QPClasers.com) is a world leader in the development, manufacture and distribution of high-brightness, high-power semiconductor lasers for the consumer electronics, defense, homeland security, industrial, and medical markets. Founded in the year 2000, QPC is vertically integrated from epitaxy through packaging and performs all critical fabrication processes at its state-of-the-art high-technology facility in the Los Angeles suburb of Sylmar, CA. QPC is a publicly traded U.S. company (OTCBB: QPCI) and is ISO certified.

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