

Corporate Fact Sheet Second Quarter '09



IPG Photonics manufactures high-performance fiber lasers and amplifiers for use in a wide range of markets, such as materials processing, advanced technologies, telecommunications and medical.

IPG Photonics pioneered the development and commercialization of optical fiber-based lasers, which are a new generation of lasers that combine the advantages of semiconductor diodes with the high amplification and precise beam qualities of specialty optical fibers. Because these lasers deliver superior performance, reliability and usability at a lower total cost of ownership compared with conventional lasers, fiber lasers are displacing traditional lasers in many current applications and enabling new applications for lasers.

The Company's vertically integrated manufacturing provides significant competitive advantages and enhances its ability to meet customer requirements, manage costs and improve performance. IPG Photonics is based in Oxford, Massachusetts with additional manufacturing facilities in Germany, Italy and Russia, and regional sales offices in Detroit, Silicon Valley, China, France, India, Japan, Korea, Singapore and the U.K.



Company Snapshot

| | |
|---------------------|--------------------------|
| Listing: | NASDAQ: IPGP |
| Share Price: | \$11.16 (8/4/2009) |
| Cash & Equivalents: | \$78.1 million (6/30/09) |
| Market Cap: | \$506.3 million |

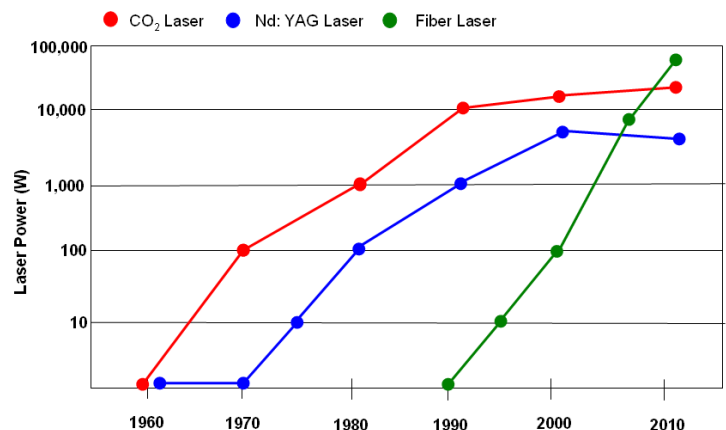
Investment Highlights

- #1 supplier of fiber lasers with estimated 65+% of world sales
- Expanding fiber laser opportunity (estimated 20+% CAGR to 2015)
- Competitive advantage: vertically integrated model
- Broad geographic and application diversity
- Proprietary technology platform delivering superior performance in high volumes
- Growth in high-power laser sales

Growth Strategy

- Continue to displace existing laser and non-laser technologies
- Target new applications for fiber lasers
- Expand product portfolio & develop integrated laser systems business
- Optimize manufacturing for higher quality and lower cost
- Expand global reach
- Manufacture simple, more usable lasers

Fiber Lasers: A Truly Disruptive Technology



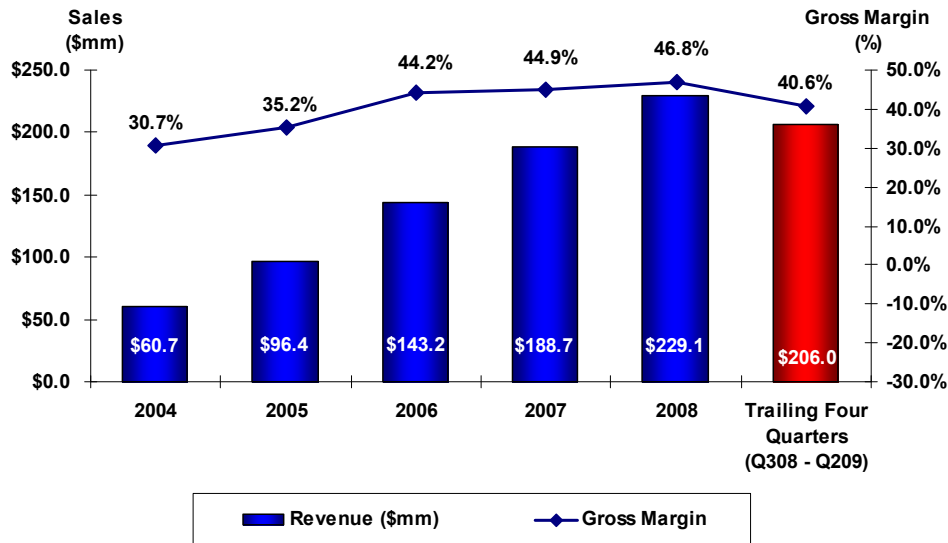
Source: EALA, Automatic Feed Co., ALAW 2009

Corporate Fact Sheet Second Quarter '09

World Leadership in High Power Fiber Lasers

Sales & Gross Margin Momentum

IPG's vertically integrated business model provides significant operating leverage.



Gross margin includes stock-based compensation of \$0.2mm, \$0.0mm, \$0.1mm, \$0.3mm and \$0.3mm for 2004, 2005, 2006, 2007 and 2008

Corporate Officers

Valentin P. Gapontsev, Ph.D.
Chairman and Chief Executive Officer

Eugene Shcherbakov, Ph.D.
Managing Director, IPG Laser GmbH

Timothy P.V. Mammen
Vice President and Chief Financial Officer

Igor Samartsev
General Manager, NTO IRE-Polus

Angelo Lopresti
Vice President, General Counsel and Secretary

Bill Shiner
Vice President, Industrial Markets

Alex Ovtchinnikov, Ph.D.
Vice President, Components

George BuAbbud, Ph.D.
Vice President, Telecommunications Products

Martin Laguerre, CFA
Vice President, Corporate Development and Strategic Marketing

Analyst Coverage

Barclays Capital: C.J. Muse

D.A. Davidson & Co.: Avinash Kant

Dougherty & Co.: Joe Maxa

Longbow Research: Mark Douglass

Needham & Co.: James Ricchiuti

Sidoti & Co.: Jiwon Lee

Thomas Weisel Partners: Ajit Pai

Investor Contact

David Calusdian

Executive Vice President & Partner

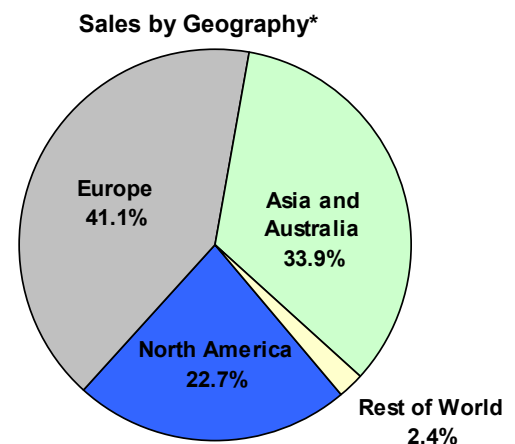
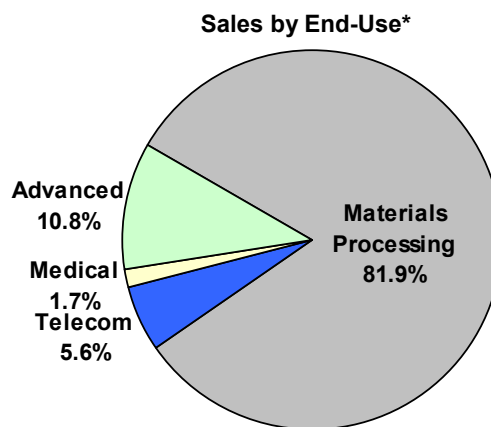
Sharon Merrill Associates, Inc.

Tel: (617) 542-5300

email: IPGP@InvestorRelations.com

Broad Applications for Global Customers

The diversity of IPG's customers and applications provides the Company with multiple growth opportunities around the world.



*As of December 31, 2008

Safe Harbor Statement

This fact sheet contains "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. Such forward-looking statements include without limitation, statements that may be identified by words such as "expectations," "remains," "focus," "expected," "prospective," "expanding," "building," "continue," "progress," "efforts," "hope," "believe," "objectives," "opportunities," "will," "seek," and other expressions which are predictions of or indicate future events and trends and which do not constitute historical matters identify forward-looking statements. The statements are based upon the current beliefs and expectations of management and are subject to significant risks, uncertainties and other factors. The Company's actual results could differ materially from any anticipated future results, performance or achievements described in the forward-looking statements as a result of a number of factors. Certain factors that might cause the Company's actual results to differ materially from those in the forward-looking statements include those set forth under the headings "Business," "Risk Factors," and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in the Company's SEC filings.