IPG Photonics Announces Major Expansion of Ytterbium Pulsed Fiber Laser Offerings

IPG Photonics Announces Major Expansion of Ytterbium Pulsed Fiber Laser Offerings

MUNICH, Germany, Jun 19, 2007 (BUSINESS WIRE) -- IPG Laser GmbH, a subsidiary of IPG Photonics Corporation (NASDAQ: IPGP), announced a major expansion of its Ytterbium pulsed fiber laser product line, including four new pulsed laser product lines now available and an additional two product lines planned for release next year. The new pulsed lasers build on the success of the Company's best-selling pulsed fiber lasers, and are targeted at marking and new materials processing applications in the manufacturing of silicon wafers, plasma and LCD display screens, and other devices.

The pioneer in fiber laser technology, IPG Photonics has sold thousands of superior and reliable YLP and YLP-MOPA pulsed lasers for over a decade. IPG also has introduced new 30 and 50 watt average power models, adding to the currently available five, 10 and 20 watt average power devices in the YLP series. YLP lasers now are available with pulse durations of 25, 50 and 200 nanoseconds, in addition to the currently available 100 nanosecond devices. The frequency ranges from 10 kHz to 1,000 kHz with various collimator choices. Peak powers of up to 30 kilowatts now are available in the product line.

"The new pulsed lasers, which are application driven, greatly expand the opportunities for IPG's many qualified OEMs and integrators, as well as end-users," said IPG Photonics Chief Executive Officer Dr. Valentin P. Gapontsev. "With the expanded pulsed laser line, IPG's fiber lasers provide an alternative to conventional lamp-pumped and diode-pumped crystal pulsed lasers in a range of applications requiring higher powers because of the proven cost, efficiency, beam quality and reliability of fiber lasers."

The new pulsed lasers provide several major advantages, including speed, quality, and depth of laser marking and engraving. They also can be used in high-speed percussion drilling with minimal thermal effects, high-speed cutting of medical stents, processing of silicon wafers and a variety of applications involving the removal of thin coatings, including several applications required by the manufacturers of plasma and LCD display screens.

The new YLP-C series provides performance similar to the YLP product line, but has much higher electro-optical efficiency, a more compact design and a wide range of sophisticated pulse management functions.

In the high power pulsed product family (YLP-HP series), IPG also added 300, 400 and 500 watt lasers with frequency ranges improving to 50 kHz, adding to the 10 mJ, 100 and 200 watt devices introduced previously. Pulse durations of these lasers can be specified by the customer from 200 to 1,000 nanoseconds. In the YLP-HP series, IPG offers three models with 40 and 50 mJ pulses at 10 kHz with pulse durations from 150 to 1,000 nanoseconds, as well as 100 mJ per pulse with one kilowatt average power.

Additionally, IPG introduced the YLP-PSM pulsed laser product family, IPG's high quality and low cost, state-of-the-art, mode-locked picosecond laser for industrial applications. The first model produces peak powers up to 30 kilowatts at an average power of 10 watts, a pulse frequency of 35 MHz, and a pulse duration of 10 picoseconds. The Company is developing a 50 watt average power version for introduction in the future.

IPG Laser GmbH expects to release additional pulsed laser lines in late 2007 to early 2008, including a 150 kilowatt peak power laser, one to 20 nanosecond tunable laser (YLP-T series) for high contrast marking, and another picosecond laser family (YLP-PST series), which offers, for the first time, direct triggering of 50 picosecond pulses with peak power up to 250 kilowatts.

IPG's new pulsed fiber lasers will be on display at Area B3, Booth 439 during the Laser 2007 exhibition in Munich, Germany, June 18-21, 2007.

About IPG Photonics Corporation

IPG Photonics is the leading global manufacturer of high-performance fiber lasers and amplifiers for diverse applications in numerous markets, such as materials processing, communications, medical, and scientific and research. Founded in 1990, IPG Photonics pioneered the development and commercialization of optical fiber-based lasers, a new generation of optical sources that combine the advantages of semiconductor diodes with the high amplification and precise beam qualities of specialty optical fibers. Fiber lasers deliver superior performance, reliability and usability at a lower total cost of ownership compared with conventional lasers, allowing end-users to increase productivity and lower operating costs. Headquartered in Oxford, Massachusetts, IPG has additional plants in Germany, Russia, Italy, and India, and regional sales offices in Michigan, Japan, South Korea, China and the United Kingdom. For more information on IPG Photonics, please visit www.ipgphotonics.com.

Forward-Looking Statements

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. These forward-looking statements represent IPG's current expectations and beliefs. The forward-looking statements, which include those relating to the Company's new products, products that are being developed and its introduction of new pulsed lasers in the future, are subject to certain risks and uncertainties that could cause the actual results, performance or achievements to be materially different from those expressed, expected or implied by the forward-looking statements. These risks and uncertainties are described in IPG's filings with the Securities and Exchange Commission. IPG does not undertake to update forward-looking information contained herein or elsewhere to reflect actual results, changes in assumptions or changes in other factors affecting such forward-looking information. You should not rely upon forward-looking statements as predictions of future events. IPG cannot assure you that the events and circumstances reflected in the forward-looking statements will be achieved or occur, nor does the Company undertake any obligation to update any forward-looking statements for any reason after the date of this press release.

SOURCE: IPG Photonics Corporation


```
IPG Photonics Corporation
Bill Shiner, 508-373-1144
Vice President-Industrial Markets
or
IPG Laser GmbH
Jorg Thieme, 49-2736-44-20342
Sales Director-Industrial Markets
```


Copyright Business Wire 2007

News Provided by COMTEX