

## Press release

**Press contact:**

Jan Brubacher  
Leitung  
Marketing & Communication

### High Power Single Mode Diodes, Bars and Stacked Arrays from Intense Ltd. Featured at Photonics West

Wessling, 02. January 2008, Intense will exhibit at Photonics West in **Booths #5041 and #5044** in the Main Hall Foyer. They will showcase their expanded line of QWI enabled laser diodes, including high power visible and IR laser diodes, bars and stacked arrays, fiber lasers, and individually addressable arrays.

Laser 2000 GmbH  
Argelsrieder Feld 14  
D-82234 Wessling  
Tel. +49 8153 405-39  
j.brubacher@laser2000.de  
[www.laser2000.de](http://www.laser2000.de)

**SPIE**   
Photonics West

19-24 Jan 2008, San Jose  
Laser 2000 exhibits at  
Booth 5055



Hermes Bar



Hermes Laser Diode Marking

#### **High Power Single Mode Diodes, Bars and Stacked Arrays**

Intense will feature the Series 6000 high brightness, QWI enabled **single mode laser diodes**. The Series 6000 lasers are available in 830 nm and 980 nm wavelengths with up to 200 mW of kink-free power. These high beam quality lasers have low astigmatism and a Gaussian far field. They are ideally suited for defense applications, such as targeting, range finding, and illumination.

The Hermes™ family of **high power bars and stacked** will also be on display. Available in wavelengths from 8xx nm to 9xx nm, Hermes lasers are qualified to military specifications. The bars and arrays feature superior power, high reliability, and innovative, robust packaging.

#### **Quantum Well Intermixing: Brightness, Reliability, Efficiency**

Utilizing its patented Quantum Well Intermixing (QWI) technology, Intense creates innovative laser products that enable unrivalled levels of power, brightness, and reliability. State-of-the-art, high volume manufacturing processes deliver exceptional performance in high power visible and IR laser diodes, high power bars and stacked arrays, high power fiber lasers, and individually addressable arrays.

Intense's patented Quantum Well Intermixing process increases the quantum well bandgap of a semiconductor laser in a controlled and highly precise manner so that active and passive sections can be created in the same laser cavity. Passive non-absorbing mirrors (NAMs) are created at the facet regions of the cavities to avoid catastrophic optical mirror damage (COMD), a problem frequently encountered in typical laser devices.

#### **For further information, contact:**

Jan Brubacher, Laser 2000 GmbH, Wessling  
Telefon +49 8153 405-39 • Fax +49 8153 405-33 • [j.brubacher@laser2000.de](mailto:j.brubacher@laser2000.de)

## Press release

### About Intense Ltd.

Intense Ltd., headquartered in Glasgow, UK, is a leading provider of single and multimode monolithic laser array products and high power laser diodes. The company's patented innovations in Quantum Well Intermixing (QWI) and Asymmetric Waveguides (AW) generate uniquely high power, brightness, and reliability. This, combined with state-of-the-art, high volume manufacturing facilities in the UK and US, delivers unsurpassed product quality and value to customers in the print and imaging, defense, industrial, display, and medical markets. For more information, visit <http://www.intenseco.com>.

### About Laser 2000

LASER 2000 GmbH specializes in distribution of laser sources, accessories, components and instrumentation in the area of industrial vision equipment, fibre optics, instrumentation, telecommunications, measuring devices, scientific research etc.

Our products are designed to meet the challenges of both research and industrial production as well as your actual or future requirements of your applications. Laser 2000 is headquartered in Munich, Germany and operates local offices in all major business areas of the European market. In order to support your application we deliver top-level service and products and meet the highest standard of quality. With an installed base of thousands of applications around the world, Laser 2000 has shown the ability to provide onsite-support in time.

### Press contact:

Jan Brubacher  
Leitung  
Marketing & Communication

Laser 2000 GmbH  
Argelsrieder Feld 14  
D-82234 Wessling  
Tel. +49 8153 405-39  
[j.brubacher@laser2000.de](mailto:j.brubacher@laser2000.de)  
[www.laser2000.de](http://www.laser2000.de)



19-24 Jan 2008, San Jose  
Laser 2000 exhibits at  
Booth 5055

### For further information, contact:

Jan Brubacher, Laser 2000 GmbH, Wessling  
Telefon +49 8153 405-39 • Fax +49 8153 405-33 • [j.brubacher@laser2000.de](mailto:j.brubacher@laser2000.de)