

PRESS RELEASE

For Immediate Release

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**DILAS Introduces New Macro-Channel-Cooled
QCW High-Power Vertical Diode
Laser Stack Product Line**

Mainz, Germany, May 23, 2011 – DILAS, the diode laser company, introduces a high duty cycle device that allows for long pulse length for hair removal or high energy applications. From the parameter field defined by duty cycle, power and pulse length this device starts at 200W, 808nm and 300W, 940nm at 2% duty cycle / 2ms up to 60W per bar at 808nm and 175W per bar at 940nm at 20% / 75ms.

These compact, completely AuSn soldered vertical stacks are designed specifically for operation in applications with low cooling capacity for medical and high energy laser applications requiring high pulse energy in a small dense package.

The macro-channel-cooled vertical stacks contain up to 8-bar configurations with up to 20% duty cycle at 60W per bar for 808nm and 175W per bar for 940nm at 75ms pulse duration (hair removal). Under the toughest environments, our advanced packaging and high precision optic mounting give you full control allowing fast-axis stack divergence as low as $\pm 3\text{mrad}$ (FWHM). Custom options are available upon request.

About DILAS

DILAS, the diode laser company, is focused on delivering the most innovative technologies and advanced product solutions in the industry. Founded in 1994 in Mainz, Germany, with operations in North America and Asia, DILAS designs, develops and manufactures quality high-power, high-brightness semiconductor laser components, modules and systems, including fiber-coupled products for worldwide distribution. For more information about DILAS, including product updates, visit the company's website at www.dilas.com.

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