

## **PRESS RELEASE**

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# **DILAS Expands High-Brightness, High-Efficiency, Fiber-Coupled Modules Based on Tailored Bar (T-Bar) Architecture**

**Mainz, Germany, January 24, 2012** – DILAS, the diode laser company, has increased their range of high-brightness, fiber-coupled diode laser modules based on tailored bar (T-Bar) architecture. With this new addition, the fiber-coupled modules are now capable of delivering up to [200 watts output power from a 200µm \(NA 0.22\) fiber at 976nm](#).

The [tailored bar architecture](#) is an innovative breakthrough by DILAS and is specifically designed to achieve high-brightness output while maximizing fiber coupling efficiency for an overall high-efficiency product. The T-Bar was developed so that an automated active optics alignment can be utilized for efficient fiber coupling into a 200µm fiber. This device is a monolithic multi-emitter source which takes advantage of handling multiple emitters during each individual manufacturing step to lower complexity and enhance reproducibility of the beam quality and hence the fiber coupling.

These T-Bar fiber-coupled modules are ideal for research and development usage in direct diode applications as well as for fiber and solid-state laser pumping.

### **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](http://www.DILAS.com).

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