



## **PRESS RELEASE**

For Immediate Release  
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# **DILAS Delivers New Homogenized Conduction-Cooled, Multi-Bar Module**

**Mainz, Germany, January 26, 2010** – DILAS, the diode laser company, is now delivering a new conduction-cooled, multi-bar module with a homogeneous top hat optical beam profile, capable of handling up to 500W output in standard wavelengths.

The homogenized conduction-cooled, multi-bar modules are based on DILAS' micro-optics beam shaping expertise.

By using this concept, DILAS obtains a 95% homogenized intensity profile. The spot geometries can vary from line sources e.g. 12mm x 300µm to area with e.g. 52 x 2mm<sup>2</sup>. Customized focus geometries are also possible.

Designed for materials processing applications such as plastics welding, thermal annealing and brazing, these homogenized, multi-bar modules are also ideal for soldering, recrystallization or drying of surfaces in solar cell production applications.

Conduction-cooled, multi-bar modules are available with optional features to include a power sensor and user exchangeable protection window. Each DILAS module is manufactured according to the industry's highest standards, resulting in stable sources achieving high optical efficiency and, reduction in capital expenditures and operating costs.

### **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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