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## **DILAS Launches New 10kW Diode Laser System with Homogenized Beam**

Mainz, Germany, January 23, 2007 – DILAS, a world leader in high power semiconductor lasers developed and delivered a new 10kW diode laser system with a homogenized top hat beam profile. The new system is targeting applications in materials testing and surface treatment.

The 10kW laser head is build from industrial proven DILAS standard sub-components and newly developed beam homogenizing optics capable of handling the increased power level.

The superior beam profile of the system required a laser head dimension of 60 x 90 x 110 cm<sup>3</sup> in order to incorporate not only the diode laser stacks and homogenizing optics but also various sensors to enable a controlled operation of the laser. The top hat beam profile exceeds the request from the first customer who took delivery of a turn key system in 2006. For future requests the current spot size of 60 mm x 18 mm can be reconfigured to meet other applications.

The turn key system consist of the laser head, a control and power supply unit as well as a water to air heat exchanger.

### **About DILAS**

Founded in 1994, DILAS is the world leader in high power semiconductor lasers components, modules and systems, including fiber coupled products. With manufacturing facilities in Mainz, Germany and in Tucson, AZ, DILAS is dedicated to deliver the most innovative technology and advanced products to the industrial, defense, graphic arts, and medical markets. For more information about DILAS, including product updates, visit our website at [www.DILAS-Inc.com](http://www.DILAS-Inc.com).

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