

PRESS RELEASE

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DILAS Industrial Laser Systems Offers Galvo Scanner with Integrated Pyrometer

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Mainz, Germany, October 14, 2008 – DILAS Industrial Laser Systems introduces a galvo scanner with integrated pyrometer to be used along with the COMPACT Series product line, a fiber-coupled, turnkey diode laser system with output powers up to 500W. The combination of the galvo scanner and pyrometer offers progress in the field of quasi-simultaneous plastics welding. With the on-axis single color pyrometer, the temperature of the welding zone can be optically measured during the scanning process, thus allowing a closed-loop temperature control for the production process. The supporting software furthermore provides complete process data documentation for quality control.

The galvo scanner is available with apertures of 20mm or 30mm (Ø) in combination with 400µm (or 200µm) fibers and F-Theta optics keeping the beam spot focused. The beam diameter is 2.8mm (or 1.4mm) in a 140 x 140mm² field.

DILAS Industrial Laser Systems' new galvo scanner with integrated pyrometer is equipped with color-corrected F-Theta optics, pyrometer, collimation, a control unit and scanner and pyrometer software.

About DILAS Industrial Laser Systems

DILAS Industrial Laser Systems, a division of DILAS Diodenlaser GmbH, delivers reliable solutions for high-performance industrial laser systems in a wide range of output powers and wavelengths, including fiber-coupled, direct beam or line source solutions for an increasing number of industrial applications. Visit www.dilas-ils.com to learn more.

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 Tucson, AZ and Shanghai, China, 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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