



Lasers & Material Processing: Jenoptik presents at Photonics West 2008 qcw diode lasers with pulse power of 300 W

At the Photonics West Trade Show, which is being staged from January 22 to 24, 2008, in San Jose, California, USA, the JENOPTIK Laserdiode GmbH and JENOPTIK Diode Lab GmbH will be presenting - aside from their innovative and proven standard products - qcw diode lasers with unparalleled output power.

Using a new generation of high-power diode lasers bars - fully optimized for quasi continuous wave (qcw) operation - Jenoptik Laserdiode introduces higher output powers from qcw diode lasers at a wavelength of 808 nm using passive cooling based on diode laser bars from its Jenoptik Diode Lab subsidiary.

For pulse durations up to 300 μ s and duty cycles up to 10% the peak power can be as high as 300 W. Fast axis collimation is available as well.

Based on this semiconductor material Jenoptik Laserdiode presents as well passively cooled qcw stacks, which for the first time achieve peak powers up to 2.4 kW. For these stacks fast axis collimation is in preparation as well.

Further details about the diode laser products of Jenoptik Laserdiode and Jenoptik Diode Lab will be released during four presentations at the Photonics West Conference.

Information about the entire product lines will be available during Photonics West at the Jenoptik booth number 1027.

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Page: 2 of 2
Date: January 21, 2008

Jenoptik Lasers & Material Processing Division

JENOPTIK Laserdiode GmbH develops, manufactures and markets high-power diode lasers. These innovative lasers offer high effectiveness from low capacity, which makes them perfect as a source of pumping for solid-state and fiber lasers or as a direct beam source for medical technology and material processing. High-power diode lasers are the most promising type of laser due in large part to their industrial potential.

JENOPTIK Diode Lab GmbH is specialized in producing optoelectronic components that the JENOPTIK Laserdiode GmbH utilizes to develop and manufacture high-power diode lasers. The company is located in Berlin-Adlershof along with its technology partner, the Ferdinand Braun Institute for High Frequency Technology (FBH), which it spun off from in 2002.

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