



For immediate release

**NKT Photonics A/S introduces
new KOHERAS AdjustiK/BoostiK benchtop line**
Improved DFB fiber lasers based on an industrial modular platform

Birkerød, Denmark, June 15th 2009 – NKT Photonics A/S has introduced a new generation of its AdjustiK™ and BoostiK™ series, truly single frequency, low noise and fully integrated fiber laser benchtop systems. The optical design is based upon the 3rd generation Koheras KOHERAS BasiK™ laser engine featuring a fully digital control interface and power upgradability enabled by the internal modularised platform.

The systems are designed for R&D and scientific applications such as e.g. for advanced sensor interrogation systems, spectroscopy, atomic trapping, or any application that requires high frequency stability and low noise laser operation. KOHERAS fiber lasers are offered at custom specified wavelengths within the C- and L-band as well as within the 1.03 – 1.12 μm wavelength range. The AdjustiK series provides up to 200 mW of optical output power, and up to 1 W from the BoostiK series. The lasers are thermally, linearly tunable over a range of up to 800 pm in modehop-free operation, and optionally with fast piezo tuning capability at kHz modulation bandwidth.

The new benchtop systems feature a user-friendly display interface to monitor and control all laser parameters directly from the front panel. These include wavelength setting (1 pm resolution), output power (0.1 mW resolution), active RIN suppression, "Constant Current" or Constant Power" control mode with integrated feedback stabilization loop, and piezo activation.

The products will be displayed at the Laser show in Munich (booth # C1.302) where more details will be available.

About NKT Photonics A/S

NKT Photonics A/S - formed by the merger between Koheras A/S and Crystal Fibre A/S - designs and manufactures commercial and industrial class specialty microstructured fibers and high power fiber amplifiers. The company also designs and manufactures fiber-based industrial systems such as white light lasers and ultra precise DFB fiber lasers. The mentioned products are produced under the brand names CRYSTAL FIBRE, *aeroLASE™*, SuperK™ and KOHERAS™. These systems are already commercially deployed in material processing, bio-photonics, metrology, optical sensors, coherent communications, test and measurement, high resolution spectroscopy and LIDAR markets. NKT Photonics A/S is wholly owned by the Danish industrial conglomerate NKT Holding A/S.

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