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# Press Release

## **Photonic Solutions offering NKT Photonics Range of Ultra-Narrow Linewidth, Single Mode, Single Frequency Fibre Lasers**

**Edinburgh, 09 March 2010:**

NKT Photonics range of narrow linewidth fibre laser systems are based on truly single mode, single frequency distributed feedback (DFB) fibre lasers with extremely high frequency stability, low phase and intensity noise.

Distributed in the UK and Ireland by Photonic Solutions, NKT Photonics fibre lasers feature ultra-narrow linewidth in the Hz range and powers ranging from 10mW up to 5W at 1 $\mu$ m or 1.5 $\mu$ m. The unique narrow linewidth combined with high frequency stability and long coherence length, make these fibre lasers the system of choice for interferometric sensing applications. Furthermore, the low intensity noise of the lasers combined with the high spectral stability make them ideal as sources for wind LIDAR systems used for the wind turbine and aerospace industry.

Compact OEM single frequency fibre laser modules suitable for industrial integration or fully integrated benchtop fibre laser systems are available. The OEM lasers include the Koheras BasiK Module and the BoostiK Module which are offered as a single laser or as building block for higher power benchtop systems or multi-wavelength systems. The AdjustiK System and BoostiK System fully integrated fiber laser benchtop systems are based upon Koheras BasiK Module seed technology, feature a fully digital control interface and are upgradable in terms of output power by the internal modularised platform. These turnkey, benchtop systems are supplied as a stand-alone unit packed in a 19" rack system and are ideally placed for R&D and scientific applications requiring high frequency stability and low noise laser operation, such as advanced sensor interrogation systems, spectroscopy, and atomic trapping.

**For Immediate Release**

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KOHERAS fiber lasers are offered at custom specified wavelengths within the C- and L-band as well as within the 1 $\mu$ m and 1.5 $\mu$ m wavelength range. The BasiK series provides up to 40mW of optical power, the AdjustiK series up to 200 mW and the BoostiK series up to 5W. For full product information visit [www.photonicsolutions.co.uk](http://www.photonicsolutions.co.uk).

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