



*For immediate release*

**NKT Photonics A/S introduces**  
**FemtoWHITE CARS for Coherent Anti-Stokes Raman Spectroscopy**  
*Fiber based supercontinuum module based on industry proven CRYSTAL FIBRE technology*

Birkerød, Denmark, June 18<sup>th</sup> 2009 – NKT Photonics A/S has introduced a new addition to its CRYSTAL FIBRE FemtoWHITE series. With the FemtoWHITE CARS supercontinuum generation for Coherent Anti-Stokes Raman Scattering (CARS) have become a lot easier!

With the use of the FemtoWHITE CARS you eliminate the need for more-complex laser systems like cavity dumped oscillators or two synchronized oscillators. Pump the FemtoWHITE CARS with an 800 nm range femtosecond laser and it generates a spectrum optimized for CARS applications - without the hassle of fiber cleaving and handling.

The two closely spaced zero-dispersion wavelengths of the FemtoWHITE CARS enables stable, low-noise supercontinuum generation and allows for control of the spectral shape by tuning the pump wavelength.

Coupling in and out of the device is easily realized by using standard microscope objective with high magnification mounted on XYZ stages.

**TECHNICAL ADVANTAGES**

- Optimized for 800 nm range fs pumping
- Dual peak output optimized for CARS
- Sealed and cleanable end facets
- End-facet beam-expansion
- Robust 1" (2.54 cm) aluminum housing
- Compact: Only 4.7" (12 cm) in length

**COMMERCIAL ADVANTAGES**

- Maintenance free
- Utilization of existing Ti:Sapphire laser
- Compatible with standard holders

The FemtoWHITE CARS is a supplement to NKT Photonics' supercontinuum product range spanning from bare fibers to turn key systems such as the SuperK™ series.

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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