

*For immediate release*

## SuperK sees Red!

NKTPhotonics announces the availability of SuperK systems capable of delivering more power in the near-IR spectrum. Upon request, SuperK systems can now be optimized to generate supercontinuum light with up to 1W in the spectral range of 550-900nm. The optimized SuperK has been designed to generate super continuum light with suppressed emission in the blue part of the spectrum but enhanced red spectral output.

“In many of our customer applications, blue wavelengths can be a nuisance or in some cases detrimental to the application. An example is in-vivo based applications, where blue wavelengths can cause auto-fluorescence which is undesired.” says product manager, Carsten Thomsen. “Of course, one way would be to filter the undesired wavelengths. We went one step better by increasing the power in the red wavelength spectrum and at the same time, heavily reducing the blue spectral output. The result is a simpler, turn-key system.” he added.

The optimized SuperK system has been made possible by the development of new nonlinear fiber which had been tailored for this product. “This is an example of how the merger of Koheras and Crystal Fibre A/S provides dividends to the end customer by being one company, NKTPhotonics.” said Jakob Skov, CEO. “Expertise both on system and fiber level contributed together to provide a solution to real world commercial and research requirements.”

In addition, the SpectraK accessory range has also been upgraded to provide flexible wavelength tuning and broadband fiber delivery in the red part of the spectrum. Like the standard SuperK and SpectraK product portfolio, customers can find end-to-end solutions to easily integrate the new optimized SuperK technology into their applications.

More information of these products can be found at the NKTPhotonics website ([www.nktphotonics.com](http://www.nktphotonics.com)) or by visiting us at the Laser World of Photonics Exhibition in Munich, booth #CI.302.

### About NKT Photonics A/S

NKT Photonics A/ 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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