

For immediate release

SpectraK broadens SuperK horizons

NKTPhotonics releases an extended SpectraK accessory range to cover broader spectral areas of the SuperK white light laser systems. In particular, a new SpectraK Dual accessory will complement the SuperK Blue laser to allow true wavelength tuning down to 400nm at high efficiency together with a new range of ultra-broadband SpectraK FDS fibre delivery systems.

“After the launch of the SuperK Blue, there was a need for accessing wavelengths from this source down to 400nm” said product manager, Carsten Thomsen, “this was a challenge as most accusto-optic tunable filters on the market operate with low diffraction efficiency in this region. I am pleased to announce that after working with our vendors, we have overcome this hurdle and are now able to offer wavelength tuning solution that span from 400nm-2400nm at high efficiency” he added

The availability of fiber delivery systems that are single mode only within a narrow spectral range also posed a further limitation. “In many cases, customers have a SuperK system capable of delivering wavelengths from 400-2400nm hooked up to SpectraK accessories that can tune in the same spectral range,” commented Husain Imam, sales manager for SuperK products, “Traditional single mode fibres have cut-off wavelengths that restrict bandwidth and thus a plethora of single mode fibres have been required in the past to deliver the filtered light. The new SpectraK FDS fibres remove this limitation”, he continued.

The SpectraK FDS are ultra-broadband delivery fibres that have true single mode performance in either 400-1400nm or 640-2400nm configurations. The SpectraK FDS fibres are designed to “plug-and-play” with the SpectraK Dual and Split filter products and can be provided with collimated output or standard connector termination. “There exists no efficient fiber delivery solutions in the market that are simple to use that will cover the whole supercontinuum spectrum until now,” noted Thomsen.

More information about these products can be found at the NKTPhotonics website (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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