

Press Release

Turn-key, ultrafast laser systems now available from Photonic Solutions

Edinburgh, 08 September 2011:

Photonic Solutions have expanded the range of Light Conversion products now distributed in the UK and Ireland with the addition of the PHAROS and ORPHEUS ultrafast laser systems to their portfolio. These femtosecond lasers are designed for industrial and scientific applications and are recognised as technology leaders.



Light Conversion has established itself as a manufacturer of reliable, high performance ultrafast systems and the all-new PHAROS adds to this established product line. PHAROS is a rugged, self contained, single-unit Yb:KGW ultrafast laser designed to be turn-key out of its box with powers up to 15W average and repetition rates up to 1MHz. The PHAROS market leading compact size combined with easy to replace modules (oscillator, amplifier and stretcher/compressor) with temperature stabilised and sealed housings ensure stable laser operation making it ideally suited to OEM integration.

PHAROS is quite unique in that most of its output parameters can be easily set via a control pad or PC. Tunable parameters include repetition rate, pulse energy, average power and pulse width. The feature of complete pulse-width tuning from 200fs to 10ps making it an ideal source for a wide range of industrial applications especially in micromachining research/parameter investigation. The HIRO

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harmonic generators are available for the PHAROS to create high power second, third and fourth harmonics of the fundamental 1030nm wavelength.

With the add-on option of the ORPHEUS wavelength tunable OPA, the PHAROS system becomes an attractive and compact, 200nm to 20000nm tunable, femtosecond pulsed, spectroscopic tool for multiphoton confocal microscopy, non linear optics, microstructuring and spectroscopy applications.

Other lasers in Light Conversion's ultrafast range include the new air cooled CARBIDE laser which is an ultra-compact, femtosecond laser for industrial and medical applications.

This new agreement between Photonic Solutions and Light Conversion strengthens an already existing long term relationship based on sales of Light Conversion's original ultrafast product - the TOPAS, tunable fs/ps OPA in the UK and Ireland over the past 10 years.

For more information on the range of ultrafast laser systems from Light Conversion please contact Photonic Solutions on sales@photronicsolutions.co.uk

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