



PRESS RELEASE

10 April 2017

C-WAVE tunable laser source from HÜBNER

Warsash Scientific is pleased to announce the C-WAVE from HÜBNER Photonics, a leading manufacturer of laser, terahertz and radar system solutions.

The C-WAVE is a tunable laser light source for continuous wave emission in the visible and near-infrared wavelength range. Its technology is based on optical parametric oscillation (OPO) and is fully computer controlled. It allows you to tune from blue (450 – 525nm) to red (540 – 650nm) and into the near-infrared (900 – 1300nm) without any change of dyes or optical components.

In addition, the use of the AbsoluteLambda™ software module offers the opportunity for an automated selection of wavelength with high accuracy (set point ± 1 MHz) and a drift-free wavelength stabilisation (± 1 MHz) over 12 hours. Control and fine tuning are achieved using intra-cavity elements and piezo-tuning of the cavity length.

Applications include:

- Atomic physics
- Quantum optics
- Metrology
- Spectroscopy
- Biophotonics
- Holography
- Photochemistry

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