



PRESS RELEASE

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Cobolt Odin™ Series: Tunable Mid-IR Lasers

***Warsash Scientific** announces the release of the **Cobolt Odin™** Series of compact and tunable Mid-IR lasers.*

The Cobolt Odin™ Series lasers are ultra-compact, industrial-grade Mid-IR sources based on a fully contained temperature tunable Optical Parametric Oscillator (OPO) and integrated pump laser. Periodically poled nonlinear optical (QPM) crystals are used for efficient and spectrally flexible generation of mid-IR emission from 2-5 μ m.

The lasers are manufactured using Cobolt's proprietary HTCure™ technology and packaged in a hermetically sealed laser head, offering a size, robustness and reliability never before achieved for this kind of laser. The result is an ideal source for environmental monitoring and trace gas analysis spectroscopy of, for example methane and ethanol, amongst other gases typically monitored during control of pollution emissions in the petrochemical, automotive and energy production industries.

KEY FEATURES

- Compact and tunable Mid-IR lasers, wavelength selectable 2-5 μ m
- Standard wavelengths: 3264nm and 3431nm
- Tunable 50nm
- 80mW average output power
- 10kHz pulse repetition rate
- <5ns pulse width, <7 μ J pulse energy
- Linewidth <1.5nm

For more information, contact Warsash Scientific on +61 2 9319 0122 or sales@warsash.com.au.

