



PRESS RELEASE

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Cobolt Rumba™: Compact Single Frequency Performance at 1064nm

*Just announced is the release of a compact, Class 3B model of the single frequency Cobolt Rumba™ 1064 nm, available from **Warsash Scientific**. It is perfectly suited to advanced analytical applications requiring stable single frequency operation such as Raman spectroscopy.*

The Cobolt Rumba™ 1064 nm is a continuous-wave single frequency DPSS laser operating at a fixed wavelength in a TEM00 beam ($M^2 < 1.1$). A proprietary laser cavity design provides low noise performance of typically $< 0.25\%$ rms (over 20 Hz-20 MHz and over 10-40 °C), a narrow spectral linewidth of < 1 MHz and immunity to optical feedback.

The laser is available with up to 400mW CW output power on the 04-01 Series, offering a more compact footprint than the 05-01 Series.

The laser is manufactured using Cobolt's proprietary HTCure™ Technology in a compact and hermetically sealed package, which provides a very high level of immunity to varying environmental conditions and exceptional reliability. Lasers built using the HTCure™ Technology have shown to withstand multiple 60G mechanical shocks in operation without any sign of degraded performance. They can be exposed to extreme temperatures (> 100 °C), and are insensitive to pressure and humidity.

A compact controller (CDRH or OEM) is supplied with the laser and can be remotely accessed for operation and monitoring of the laser system over RS-232 or USB interfaces.

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

