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PRESS RELEASE
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553 nm laser with direct modulation

Cobolt AB, Swedish manufacturer of high performance lasers, introduces a new wavelength of 553 nm on the Cobolt 06-01 Series of plug and play CW lasers. The 06-DPL 553 nm (diode pumped laser) is available with up to 50 mW and offers direct intensity modulation (analog and digital) at up to 5 kHz.

The expansion of wavelength offering of 06-DPL lasers (532 nm, 561 nm) complements the modulated diode lasers (MLDs) already available in the Cobolt 06-01 Series, which offer a market leading combination of modulation extinction ratios (>10 000 000:1) and high speed (up to 150 MHz). Together, the 06-MLD and 06-DPL lasers in the Cobolt 06-01 Series offer a very complete spectrum of directly modulatable wavelengths from 405 nm to 660 nm in a compact form factor, ideal for fluorescence imaging and analysis applications in life science.

All Cobolt lasers are manufactured using proprietary HTCure™ technology and the resulting compact hermetically sealed package provides a very high level of immunity to varying environmental conditions along with exceptional reliability. Lasers built using the HTCure™ technology have been shown to withstand multiple 60G mechanical shocks in operation without any sign of degraded performance. With demonstrated lifetime capability of >60 000 hours and thousands of installed units in the field, HTCure™ has proven to be one of the most reliable methods for making industrial grade lasers and is reflected by offering market leading warranty terms.

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