



Press release

Effective immediately

Cobolt Fandango™: Now up to 300 mW CW single frequency 515 nm

Cobolt AB, Swedish manufacturer of high performance lasers, announces the release of a higher power model of the Cobolt Fandango™ 515 nm on the ground breaking single-frequency 05-01 Series platform. With up to 300 mW CW output power, the Cobolt Fandango™ is perfectly suited to demanding applications in Raman spectroscopy, Interferometry and laser doppler velocimetry (LDV). The wavelength and optical properties makes it ideal as a replacement of bulkier Ar+ lasers.

The Cobolt Fandango™ is a continuous-wave single-frequency diode pumped laser (DPL) operating at 514.8 nm in a perfect quality TEM00 beam ($M^2 < 1.1$). A proprietary laser cavity design provides ultra-low noise performance of typically $< 0.2\%$ rms (over 20 Hz-20 MHz and over 10-40 °C), a narrow spectral linewidth of < 1 MHz, intrinsically excellent wavelength stability and immunity to optical feedback.

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 thousands of installed units in the field, HTCure™ has proven to be one of the most reliable methods for making industrial grade lasers.

About Cobolt AB

Cobolt supplies high performance CW and Q-switched lasers, for stand-alone use or OEM integration in equipment for fluorescence analysis, Raman spectroscopy, interferometric metrology, micromachining and environmental monitoring. The Cobolt lasers are based on tailored nonlinear optical crystals for efficient frequency conversion and are manufactured in a compact and robust hermetically sealed package using proprietary HTCure™ Technology, which provides outstandingly high tolerance to demanding environmental conditions and ensured lifetime. Cobolt is based in Stockholm, Sweden.

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