

## Press Release

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### **Cobolt Fandango™ 515 nm – staying in the lead, now with 100 mW output power from the same small package!**

Cobolt AB, Swedish manufacturer of low-noise DPSS lasers, announces the release of a higher power model of its unique 515 nm solid-state laser. The Cobolt Fandango™, now available with up to 100 mW CW output power from the same small package, is not only perfectly suited for power demanding fluorescence analysis applications such as confocal microscopy, high-speed plate reading and single molecule analysis, but now with even higher output power, as a general all solid state alternative to bulky Ar+ gas lasers.



The Cobolt Fandango™ is a continuous-wave solid-state lasers operating at a fixed wavelength 515 nm and with output powers of 25 mW, 50 mW and now 100mW. Built into a hermetically sealed compact (50x50 mm) package using the revolutionary and proprietary HTCure™ technology for extreme robustness, the Cobolt Fandango™ is a single longitudinal mode laser, with very low noise (<0.3 % rms), narrow spectral line width (typically <30 MHz) and exceptionally high beam quality ( $M^2 < 1.1$ ).

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. HTCure™ Technology is an advanced manufacturing technique for high-performance solid-state lasers that can provide exceptional reliability and performance for today's demanding applications.

515 nm is the final missing link to a compact all solid state replacement of Argon ion lasers for use in fluorescence applications, in particular for the excitation of YFP, Alex 514 and Oregon Green. Cobolt now offers a complete range of high performance DPSS lasers to the fluorescence based bioanalytical industry to replace argon and krypton ion lasers: 457 nm, 473 nm 491 nm, 515nm, 561 nm, 532 nm and 594 nm lasers are currently available at output powers from 10 to 300 mW.

The laser controller is an ultra-compact unit in either a CDRH version or OEM version. It is built on a robust platform with mounting holes for convenient installation and optimum heat dissipation. It is remotely controllable for operation and monitoring of the laser system via digital (RS-232) or analog interfaces.

For further information regarding Cobolt products, please contact Laser Lines Ltd on 01295 672500, email: [info@laserlines.co.uk](mailto:info@laserlines.co.uk)

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