

# PRESS-RELEASE



## **Cobolt Jive™ 561 nm –**

**now up to 150 mW output power from the same small package, using power scalable and well established PPKTP technology!**

Cobolt AB, Swedish manufacturer of low-noise DPSS lasers, announces the release of a higher power model of its well recognized 561 nm solid-state laser. The Cobolt Jive™, now available with up to 150 mW CW output power from the same small package, is perfectly suited for power demanding fluorescence analysis applications such as spinning-disc or TIRF confocal microscopy and cell sorting.

The Cobolt Jive™ is a continuous-wave solid-state laser operating at a fixed wavelength 561nm and with output power levels of 10 mW, 25 mW, 50 mW, 75 mW, 100 mW & now 150 mW. Built into a hermetically sealed compact (50x50 mm) package using proprietary HTCure™ technology for extreme robustness, the Cobolt Jive™ 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.

Cobolt now offers a complete range of high performance DPSS lasers to the fluorescence based bio-analytical industry to replace argon and krypton ion lasers: 457 nm, 473 nm, 491 nm, 515nm, 532nm, 561 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.

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