



Press Release – effective immediately

Cobolt Mambo™ – compact DPSS laser at 594 nm now up to 100 mW

Cobolt AB, Swedish manufacturer of low-noise DPSS lasers, announces the release of a higher power model of its already market leading orange laser. The Cobolt Mambo™ is perfectly suited for fluorescence analysis applications such as confocal microscopy and flow cytometry.

The Cobolt Mambo™ is a continuous-wave solid-state lasers operating at a fixed wavelength 594 nm and with an output power of 25 mW, 50 mW and now 100 mW. Built into a hermetically sealed compact package using the proprietary HTCure™ technology for extreme robustness, the Cobolt Mambo™ is a single longitudinal mode laser with low noise (<0.3 % rms), narrow spectral line width (typically <30 MHz) and exceptionally high beam quality ($M^2 < 1.1$). The Cobolt lasers are based on proprietary PPKTP frequency conversion technology, for optimum flexibility and efficiency.

The Cobolt Mambo™ laser provides a compact solid-state and higher power alternative to HeNe lasers, which opens up a new range of fluorescence applications, in particular for the excitation of Alex Fluor 594, Texas Red and the new very bright gene expression proteins mCherry & mKate. Cobolt now offers a complete range of high performance DPSS lasers to the fluorescence based bioanalytical industry: 355 nm, 457 nm, 473 nm, 491 nm, 515nm, 532 nm, 561 nm, and 594 nm lasers are currently available at output powers from 10 to 300 mW.

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.

The laser is supplied with an ultra-compact controller (CDRH or OEM) which can be remotely accessed for operation and monitoring of the laser system via digital (RS-232) or analog interfaces.

About Cobolt AB

Cobolt supplies compact and efficient high performance DPSS lasers in the UV, visible and near IR regions, for stand-alone use or OEM integration in equipment for fluorescence analysis, Raman spectroscopy, interferometry and range finding. The Cobolt lasers are based on PPKTP for efficient frequency conversion and are manufactured in a compact and robust hermetically sealed package using proprietary HTCure Technology that provides outstandingly high tolerance to demanding environmental conditions and ensured lifetime. Cobolt is based in Stockholm, Sweden. Find out more about the company at www.cobolt.se

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