



Press Release – effective immediately

Modulated Cobolt Dual Combiner™ 473+594 nm for Optogenetics

Cobolt, Swedish manufacturer of high performance DPSS lasers, announces the release of a modulated dual-line light engine optimised for high-end Optogenetics research applications. This version of the Cobolt Dual Combiner offers two attractive emission wavelengths for light-activated proteins; 473nm (up to 50mW) + 594 nm (up to 100mW) from one small box. Through the integrating of a silent SRS shutter, the output beam can be modulated at up to 100 Hz with a very short rise time of <350 µs and with maintained 3% power stability and an RMS noise of <0.3%. Each line can be individually addressed through a software application provided with the lasers, or through RS232/USB communication.

The modulated Cobolt Dual Combiner™ is perfectly suited for Optogenetics applications where high level of power stability and control of the delivered energies are required. The use of Cobolt's unique HTCure Technology for laser manufacturing provides a very high level of robustness and insensitivity to ambient conditions, which ensures excellent beam overlap and beam pointing stability. The modulated Dual Combiner is also available with any other 2-line combination of the Cobolt 04-01 series lasers.

The modulated Cobolt Dual Combiner™ for Optogenetics will be displayed at Neuroscience 2011, booth #1102, in Washington DC.

About Cobolt AB

Cobolt supplies compact and efficient diode-pumped solid-state lasers in the visible and near IR regions, for stand-alone use or OEM integration in equipment for bio-analysis, imaging, range finding and displays. Cobolt lasers are built on proprietary PPKTP technology and combine top-class wall-plug efficiency with low noise and compact size.

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