PRESS-RELEASE

Cobolt Dual Combiner™ - Two lasers in one with permanent alignment!

Cobolt AB, Swedish manufacturer of high performance DPSS lasers, continues to expand their product offering for compact visible laser sources by announcing the release of the Cobolt Dual Combiner™. This device provides alignment-free combination of any two lines in Cobolt's broad range of visible lasers in one compact package.

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Built on a compact and stable platform with optimized thermo-mechanical properties, the Cobolt Dual Combiner™ provides a permanently aligned beam overlap. The very small dynamical tolerances of the beam overlap (<20 µrad/^{o}C) combined with a robust and compact platform make any adjustment at installation or over time unnecessary. The device can be used for drop-in replacement of gas lasers or as a way to expand the wavelength offering of existing light-engines, e.g for confocal micriscopy, without the need for any re-design.

The foot-print of the device is only 190x65 mm, and the two laser lines can be addressed individually through RS-232 communication. Examples of attractive line-combinations that can be offered with the Cobolt Dual Combiner™ are: 491+515 nm, 491+457 nm, 491+561 nm or 561+594 nm.

The Cobolt visible lasers are continuous-wave DPSS lasers operating at fixed wavelengths of 457, 473, 491, 515, 532, 561 or 594 nm and with output power levels of up to 300 mW.

Built into a hermetically sealed compact package using the proprietary HTCure^{TM} technology for extreme robustness, the Cobolt visible lasers are single longitudinal mode lasers with low noise (<0.3 % rms), narrow spectral line width (typically <30 MHz) and exceptionally high beam quality (M^2 <1.1).

The Cobolt visible lasers are based on proprietary PPKTP frequency conversion technology, for optimum flexibility and efficiency.

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