



PRESS-RELEASE

Cobolt Zouk™ – the world's first compact CW 355 nm DPSS laser!

Cobolt AB, Swedish manufacturer of low-noise DPSS lasers, reveals ground-breaking solid-state laser technology in the UV range.

The Cobolt Zouk™ is the world's first really compact, true CW DPSS laser at 355nm. With 10 mW output power and a perfect TEM00 beam, the Cobolt Zouk™ is a compact and power efficient alternative to the

Ar/Kr-ion UV lines, quasi-CW UV lasers and diode lasers in demanding applications such as fluorescence based bioanalysis, semiconductor inspection and micro-lithography.

The Cobolt Zouk™ is a continuous-wave DPSS laser operating at a fixed wavelength of 355 nm and with an output power of 10 mW. The product is built into a hermetically sealed and compact package (80x60 mm footprint) using the proprietary HTCure™ technology for extreme robustness and long lifetime. It is a single mode laser with low noise (<0.3 % rms), narrow spectral line width (<30 MHz) and exceptionally high beam quality ($M^2 < 1.1$). The Cobolt Zouk™ is based on new frequency conversion technology, for optimum flexibility and efficiency.

The Cobolt Zouk™ laser provides a compact and power efficient alternative to the Ar/Kr-ion UV lines and quasi-CW UV lasers. The laser is well suited for demanding fluorescence applications such as flow cytometry, confocal microscopy and HCA. The wavelength of 355 nm is particularly useful for efficient excitation of DAPI, Hoechst 33342 and Indo-1 in cell biology or DNA and Ca²⁺ analysis.

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 (USB) or analog interfaces.

The Cobolt Zouk™ completes Cobolt's range of high performance DPSS lasers to the fluorescence based bioanalytical industry, including 457 nm, 473 nm, 491 nm, 515nm, 532 nm, 561 nm, and 594 nm lasers with output powers levels up to 300 mW.

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