



PRESS RELEASE

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Multi-Wavelength Laser Engine Simplifies OEM Life Sciences Instrumentation

Santa Clara, Calif., 01/30/2017 – Coherent has released a new family of flexible laser light engines, the OBIS CellX series, that delivers up to four separate laser wavelengths from a single module, thereby lowering the complexity and overall cost of laser integration in multi-wavelength life sciences instruments such as flow cytometers. Specifically, OBIS CellX is a compact one-box source in which the lasers, electronic control and beam conditioning optics are all completely integrated in a single package. The CellX features a single controller board, common power and RS232/USB connections, and a single I/O connector. Flexibility and utility are further enhanced by providing independent customer adjustment of the pointing and focus of each wavelength, allowing the TEM00 outputs to be aligned and positioned as needed for each specific instrument.

CellX is based on Coherent's proven OBIS plug and play smart platform. It is available in two standard formats - a three-channel version with outputs at 405, 488 and 640 nm, and as a four-channel engine that also includes 561 nm. Beam parameters are particularly well-suited to flow cytometry and CellX offers a choice of either 50 mW or 100mW output power per wavelength, suiting cell analysis as well as the higher powers needed for cell sorting. In addition, patent-pending optical accessories are available that convert the CellX output into the focused, elliptical spots typically needed for flow cytometry. Customers can also easily generate flexible stripe patterns aligned to their flow cell using CellX laser-safe adjustments.

OBIS CellX is targeted at instrument manufacturers that need to incorporate multiple lasers together with their associated infrastructure and beam delivery. As an integrated off-the-shelf solution, CellX offers customers a uniquely cost-effective solution that reduces development time and costs. Custom beam configurations and alternative wavelength combinations are also available for multi-unit orders.

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Founded in 1966, Coherent, Inc. is one of the world's leading providers of lasers and laser-based technology for scientific, commercial and industrial customers. Our common stock is listed on the Nasdaq Global Select Market and is part of the Russell 2000 and Standard & Poor's MidCap 400 Index. For more information about Coherent, visit the company's website at <http://www.coherent.com/> for product and financial updates.