

NEWS RELEASE

Wasatch Photonics

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For Immediate Release

Wasatch Photonics introduces compact, lightweight OCT spectrometer for integration into OEM imaging systems

MORRISVILLE, N.C. – March 3, 2022 – Wasatch Photonics has expanded its [Cobra OCT spectrometer](#) product line with a new OCT spectrometer designed specifically for ease of integration by OEMs into OCT imaging systems. The [Cobra OEM](#) is a small size and low weight spectrometer optimized for 800 nm spectral domain OCT (SD-OCT) imaging, and is based on a configurable optomechanical bench engineered for volume manufacturing. It builds on the company's existing line of Cobra OCT spectrometers, expanding their application in turnkey systems for ophthalmology and eye surgery, materials processing and laser welding, and industrial inspection of surface topology and microelectronics packaging.

The [Cobra OEM OCT spectrometer](#) is offered in multiple bandwidths centered at 840 nm, each matched to commercially available superluminescent diode (SLD) light sources, thereby facilitating compact, cost-effective OCT imaging in volume. Weighing only 0.7 kg, the spectrometer can be read at speeds up to 250 kHz using Wasatch Photonics' rapid access software development kits for C++, C#, LabView, and MatLab. The Cobra OEM uses a high efficiency optical design optimized for high sensitivity and low roll-off, delivering comparable performance to the company's flagship Cobra-S OCT spectrometer to enable high-quality imaging in volume. It leverages Wasatch Photonics's patented volume phase holographic (VPH) grating technology, volume production of compact OEM spectrometer engines, and vertically integrated manufacturing. It offers system developers an opportunity to accelerate their product design and launch by working with an experienced OEM engine provider, reducing risk and development cost and speeding ramp to volume production.

"The new Cobra OEM OCT spectrometer is a gamechanger in design, performance, and configurability to meet the needs of OEM instrument companies across a variety of different end markets," says Neil Anderson, VP of Gratings and OCT. "It takes away the worry of having to develop a new spectrometer from scratch, thus helping to accelerate the early R&D stages of our customers' new product development programs. At Wasatch Photonics, our goal is to enable our customers to be leaders in their chosen markets, and their early feedback on the performance and benefits already emphasizes how enabling this new spectrometer is."

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To learn more about Wasatch Photonics' new compact, lightweight Cobra OEM OCT spectrometer for applications in industrial and medical imaging, please go to: <https://wasatchphotonics.com/product-category/optical-coherence-tomography/cobra-oem-oct-spectrometer/>.

About Wasatch Photonics

Founded in 2002, [Wasatch Photonics](http://www.wasatchphotonics.com) designs, manufactures and markets high-sensitivity compact spectrometers and systems for Raman, fluorescence, and UV/VIS/NIR spectroscopy based on its own patented high efficiency volume phase holographic (VPH) gratings. The company also offers VPH gratings for pulse compression, astronomy, spectral imaging, and optical coherence tomography (OCT), as well as spectrometers for OCT. Our high-performance VPH gratings, spectrometers, and systems are used in research labs around the world. We also work extensively with OEM partners spanning a diverse range of industries, including defense and security, chemical manufacturing, pharmaceutical, medical, energy, education, computer, and electronics sectors. To learn more about us, please visit www.wasatchphotonics.com.



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