



NEWS RELEASE

Tornado Spectral Systems OCTANE-860™ is a 2014 PRISM Award Winner

OCTANE-860 wins in the category "Detector, Sensing, Imaging and Camera"

February 6, 2014. Toronto, Canada – Tornado Spectral Systems (TSS) is pleased to announce that OCTANE-860 has been recognized by the Society of Photo-Optical Instrumentation Engineers (SPIE) as a Prism Award Winner for 2014. <http://www.photonicsprismaward.com/winners.aspx>. The Prism Awards for Photonics Innovation is a leading international competition that honors the world's best new photonic products on the market. TSS' OCTANE-860, the world's first commercially available high-performance OCT spectrometer on a chip is the winner in the category of "Detector, Sensing, Imaging and Camera". Prism award winners were announced during the SPIE Photonics West conference in San Francisco on February 5th. This is the 2nd year in a row that TSS has been recognized for innovative products. Last year our HyperFlux™ spectrometer, which uses our patented High Throughput Virtual Slit (HTVS), was chosen a Prism Award finalist in the category of "Optics and Optical Components".

"The OCTANE-860 utilizes TSS' nanophotonics technology which was developed in our Ithaca, NY research facility," says Dr. Art Nitkowski, lead scientist at TSS in Ithaca. "Nanophotonics has the ability to replace table-sized scientific instruments with silicon chips fabricated with the same techniques used on microprocessors for computers with significant cost reductions."

TSS' OCTANE-860 is a fully packaged, turn-key solution that is optimized for OCT applications and centered at a wavelength of 860 nm, using photolithography and wafer based fabrication techniques adapted for the visible and near-IR wavelength range. OCTANE matches the typical performance specifications of ophthalmic OCT spectrometers with the added benefit of an ultra-robust, small and low-cost package.

"The OCTANE-860 is representative of next generation optical sensing hardware for use in diverse applications ranging from ophthalmology to dentistry to industrial non-destructive (NDT) testing," says Dr. Bradley Schmidt, CEO of TSS. "To be recognized two years in a row for products which deploy our next generation technological advancements and IP is a testament to the widely held belief that TSS' future is bright and exciting."

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About Tornado Spectral Systems:

Founded in 2013, Tornado Spectral Systems develops optical spectroscopy solutions for real time process monitoring, threat detection, diagnosis and imaging. Tornado also works with large OEMs to develop ground-breaking solutions for high performance optical systems, with free-space spectroscopy and integrated photonics. To learn more about Tornado, please visit: <https://tornado-spectral.com/>

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