

The World's Smallest Near-Infrared Sensor Gets Even Better

With all of the dynamic range of traditional sensors but only one-tenth the cost, the new NIR-One from Spectral Engines is making its mark.

REDMOND, WASHINGTON, UNITED STATES, June 30, 2017

/EINPresswire.com/ -- [Spectral Engines USA](#) announces revamped products with continued industry-leading performance in the Near-Infrared (NIR). The patented Spectral Engines' sensors pack incredible performance, including connectivity and processing power, into a volume of only about 1 cubic cm.

Everything is built around the core sensor, NIR-ONE, the smallest spectral sensor working at a true NIR range in the market today. Modules are available in approximately 400 nm increments to target absorption bands of customer interest between 1350 - 2500 nm. Applications include sensing of moisture, protein, fat, pharmaceutical blending, hydrocarbons, chemical reaction monitoring and more.

The NIR-ONE sensor creates a strong foundation, around which meaningful intelligence has been built beyond the hardware layer. Spectral Engines' new NIR-ONE sensor platform also includes ready-made devices and scanners, intended to facilitate rapid market entry for customers by offering more mature building blocks. Spectral Engines is prepared to support complete sensor networks that can have hundreds or even thousands of sensors. The NIR-One sensor that won the EU Horizon Foodscanner prize used Spectral Engines' proprietary cloud system for distributed sensing solutions. For more information, see: <https://www.spectralengines.com/products/scanner-platform/foodscanner/>

Studies have compared NIR-ONE sensors with other microspectrometer and laboratory analyzers. Based on these results, NIRONE sensors are able to offer performance comparable to expensive laboratory instruments but with a fraction of the cost and size. These test results are presented in more detail in our downloadable white paper, found here: <https://www.spectralengines.com/learn-more/technology/>

New sensors are ready to ship. Cloud-based, inexpensive sensing solutions for your industrial



NIR-ONE products span the range from sensors to finished products, with cloud connectivity and algorithms.



The NIR-One sensor won the EU Horizon Foodscanner competition.



problems. Are you ready to experience the future in NIR sensing?

The NIR-One sensors are so easy to use. The dynamic range of an array spectrometer at a fraction of the price!”

Dr. Steve Buckley

Kevin Kaye
Spectral Engines USA
727-314-7133
email us here

This press release can be viewed online at: <http://www.einpresswire.com>

Disclaimer: If you have any questions regarding information in this press release please contact the company listed in the press release. Please do not contact EIN Presswire. We will be unable to assist you with your inquiry. EIN Presswire disclaims any content contained in these releases.

© 1995-2017 IPD Group, Inc. All Right Reserved.