

For Immediate Release

**Radiant Vision Systems Honored by
Global SMT & Packaging Magazine's
GLOBAL Technology Awards 2019**

REDMOND, Wash. – November 12, 2019

— Radiant Vision Systems, a leading provider of automated visual test and inspection solutions for light sources and display devices, announces that it has been awarded a [GLOBAL Technology Award](#) for its [NIR \(Near-Infrared\) Intensity Lens](#) in the category of “Metrology.” The GLOBAL Technology Awards have been bringing together the global SMT and advanced packaging industry in a celebration of the companies and people that are achieving the highest standards and driving industry forward. The awards are designed to promote best practice in key areas including manufacturing quality, customer service, sales growth, innovation, and employee motivation. The awards are held annually by [Global SMT & Packaging magazine](#) at events rotating between productronica, Germany, and SMTAi, USA.



Radiant Vision Systems engineers high-resolution imaging systems that precisely evaluate the spatial distribution of light and color, including photometric systems for visible wavelengths of light and radiometric systems for evaluation of near-infrared light. Released on January 7, 2019, Radiant's [Near-Infrared \(NIR\) Intensity Lens](#) is designed to measure the radiant intensity of angular light distributions and patterns produce by NIR LED and laser sources (VCSELs) used in non-visible 3D sensing applications, such as facial recognition. Radiant's NIR Intensity Lens is mounted directly to a Radiant [ProMetric® Y16 \(16-megapixel\) Imaging Radiometer](#) and employs Fourier optics to enable single-image analysis of the full angular distribution of a NIR light source to ± 70 degrees.

The GLOBAL Technology Award for the Radiant NIR Intensity Lens was presented at the 15th annual awards ceremony on November 12, 2019, at [productronica](#) taking place at the Messe München in Munich, Germany.

“We are honored to accept the GLOBAL Technology Award for the NIR Intensity Lens,” said Radiant Executive Vice President and Chief Solutions Officer, Doug Kreysar. “The integration of near-infrared light sources into consumer electronics and other devices is enabling new touch-free device security and operation, controlled by facial recognition and gestures. The accuracy of these light sources is increasingly important for device performance. Because NIR wavelengths of light are invisible to the human eye, automated inspection equipment must be used to measure these light sources for desired output. Traditionally, goniometric systems have been required for measuring light in angular space to ensure accurate emission intensity and scope. However, these systems can take hours to complete an analysis of a single light

source, and are therefore not viable metrology solutions for volume production applications like those in the consumer electronics industry. Radiant’s NIR Intensity Lens significantly reduces the time and complexity to measure radiant intensity and angular distribution of NIR light sources. The system captures the three-dimensional distribution of an NIR light source in a two-dimensional image for complete analysis in less than a second, enabling production-level analysis. For manufacturers of electronics with NIR-based sensing features, the speed and efficiency provided by the NIR Intensity Lens solution enables light source metrology that meets electronics production demands.”

For more information about the GLOBAL Technology Awards, visit globalsmt.net/global-technology-awards. Capabilities of the NIR Intensity Lens system can be found at www.RadiantVisionSystems.com.

About Radiant Vision Systems

Radiant Vision Systems works with world-class brands and manufacturers to deliver creative visual inspection solutions that improve quality, reduce costs, and increase customer satisfaction. Radiant’s legacy of technology innovation in photometric imaging and worldwide install base date back more than 25 years and address applications from consumer electronics to automotive manufacturing. Radiant Vision Systems product lines include TrueTest™ automated visual inspection software for quality control, and ProMetric® imaging colorimeters, photometers, and light source measurement systems. Radiant is headquartered in Redmond, Washington, USA, with strategic offices in California, Michigan, China, and South Korea. Radiant has been a part of Konica Minolta’s Sensing Business Unit since August 2015. For more information, visit www.RadiantVisionSystems.com.

About the GLOBAL Technology Awards

The GLOBAL Technology Awards have recognized the very best new innovations in the printed circuit assembly and packaging industries since 2005. The GLOBAL Technology Awards have been bringing together the global SMT and advanced packaging industry in a celebration of the companies and people that are achieving the highest standards and driving our industry forward. The awards are designed to promote best practice in key areas including manufacturing quality, customer service, sales growth, innovation and employee motivation. For more information, visit globalsmt.net/global-technology-awards.

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