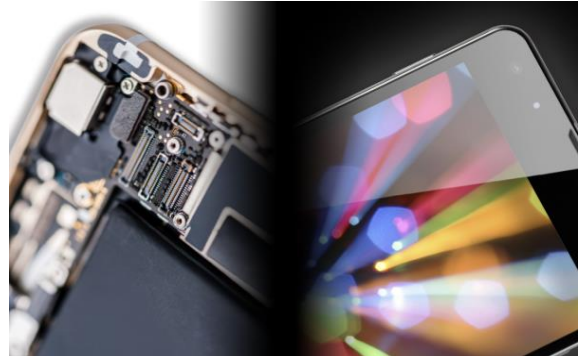


For Immediate Release

Radiant Demonstrates Automated Inspection Solutions for Device Assemblies, Surfaces, and Displays at Automate 2019



REDMOND, Wash. – March 7, 2019 —

Radiant Vision Systems, a leading provider of high-resolution imaging solutions for automated visual inspection, announces that it will demonstrate the flexibility of its photometry-based imaging portfolio to solve a range of inspection challenges at [Automate 2019](#). From light & color measurement, to cosmetic inspection, to assembly verification, Radiant cameras help manufacturers to ensure the total quality of devices from the inside out. Radiant Vision Systems will host live product demos from booth #9237 at Automate, taking place April 8-11, 2019, at McCormick Place in Chicago, Illinois, U.S.A.

Radiant Vision Systems is a leading manufacturer of image-based light and color measurement systems with over 25 years of expertise solving visual inspection challenges around the globe. Radiant's [ProMetric® Imaging Photometers and Colorimeters](#) simulate the human eye's response to brightness and wavelengths of light using tristimulus optical filters and calibrated camera/lens systems. ProMetric cameras leverage CCD resolutions up to 29 megapixels to capture highly-detailed images of devices to provide precise metrology of variations in light and color. Because of their imaging benefits, ProMetric systems also offer an alternative to machine vision imaging for evaluating non-lit components such as surfaces, which may have subtle cosmetic flaws, and complex assemblies, which can present a variety of defects. Offering increased imaging resolution and dynamic range for automated visual inspection, ProMetric systems bridge a long-standing technological gap in manufacturing environments where human inspectors are necessary for their superior perception of defects, but where automation is desired for its efficiency and repeatability.

From the floor of the Automate exhibition, Radiant will demonstrate its award-winning assembly verification station, the [INSPECT.assembly](#). Designed as a fully-integrated enclosure, the INSPECT.assembly combines a high-resolution ProMetric imager, bright field lighting, and programmable inspection software to detect subtle, low-contrast defects on complex electromechanical assemblies that human inspectors may miss. The station offers adjustable height and portability to fit existing assembly lines. INSPECT.assembly can be rolled up to conveyers in production environments, or used at inspection stations to perform real-time quality control with greater accuracy and repeatability than human inspectors or traditional machine vision systems, while occupying the same footprint as an inspector on the line. The system performs a range of inspections simultaneously or in sequence with tools for determining presence, position, and routing of cables, fasteners, connectors, screws, and a range of other internal components. Defects such as loose connectors and misrouted cables, which may pass functional test or escape human inspection, may worsen in shipping or with

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device usage. Applied before ICT or assembly enclosure, the in-line INSPECT.assembly system provides final verification of all internal components to prevent latent failures and returned/recalled products.

In addition to its INSPECT.assembly system, Radiant will also showcase its [ProMetric I-series Imaging Colorimeter](#) performing an automated visual inspection of an illuminated display. Image analysis functions are provided by the company's [TrueTest™ Software](#) platform, which offers a suite of tests including brightness measurement, chromaticity, uniformity, pixel/line defects, and detection of anomalies such as display mura (blemishes or areas of non-uniform luminance or color). Tests can be performed independently or in a sequence, enabling fully autonomous inspection wherein software applies unique measurements to display test images as images are pushed in series to the display device's screen.

Attendees of Automate can visit booth #9237 to see Radiant solutions perform real-time inspections of internal components and external displays, and discuss applications with Radiant's automated inspection experts. For information or to register for Automate, visit www.automateshow.com. Learn more about Radiant Vision Systems by visiting booth #9237 at the show, or online 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, 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.

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