

FOR IMMEDIATE RELEASE:

Microscan Demonstrates Inline Inspection at The ASSEMBLY Show 2016

RENTON, WA, October 5, 2016 – Microscan, a global technology leader in barcode, machine vision, verification, and lighting solutions, announces that it will showcase a number of machine vision innovations as well as vision-guided robotics and new products throughout the conference from booth #1705 at [The ASSEMBLY SHOW](#) at the Donald E. Stephens Convention Center in Rosemont, Illinois from October 25-27. Microscan, in collaboration with its distribution partner [Axis New England](#), will demonstrate vision-guided robotics using the Universal Robots collaborative [UR3](#) robotic arm and Microscan's MicroHAWK® imaging platform, the world's smallest Ethernet smart camera, released this summer 2016.



The UR3 robot demo is set up to read a Data Matrix 2D code and inspect the presence and position of several components on a small engine, such as a choke lever and a fuel cap, to demonstrate how a single, flexible camera-based system can comprehensively address applications from barcode reading to complex vision inspection. This demonstration will use machine vision tools such as Locate, Presence/Absence, Optical Character Recognition (OCR), and Count to inspect a small engine for the presence of critical components.

Microscan's MicroHAWK platform was chosen for this demo due to its compact size and ability to meet the widest range of needs in terms of on-board image acquisition, vision processing, and communications options. Not only are these cameras capable of high-performance barcode reading and complex vision inspection, enabling automatic identification, quality assurance and guidance applications, but they also offer unrivaled advantages in speed, size, and precision necessary for vision-enabled robotics applications. Microscan's new imaging devices are the world's smallest smart cameras and are up to twice as fast as competitive cameras in vision processing performance. In addition, MicroHAWK smart cameras feature integrated liquid lens autofocus technology for optical working distance adaptability without any manual adjustment.

With the release of AutoVISION 4.0, Microscan's high-performance MicroHAWK imaging platform is now configurable for machine vision applications, with a new line of MicroHAWK MV Smart Cameras released and available for order. In three compact models (MicroHAWK MV-20, MV-30, and MV-40), each MicroHAWK camera features selectable options for sensor (WVGA, SXGA, or QSXGA), lens (standard and high-density), and integrated lighting (red or white internal and add-on LEDs). AutoVISION 4.0 also supports the integrated liquid lens autofocus capability of the new MicroHAWK MV-30 and MV-40 models for inspecting parts at various positions, distances, and sizes. Industrial, high-speed EtherNet/IP™ and PROFINET® communications protocols are supported in applications using the MV-40 model, and the new advanced communication capabilities of AutoVISION 4.0 allow MicroHAWK cameras to exchange data across different subnets, enabling users to connect to MicroHAWK cameras from anywhere in a

factory or to connect a camera from a local factory to a satellite facility. AutoVISION 4.0 is supported on Windows® 7 (32- and 64-bit) and Windows® 10 operating systems.

Microscan's [LVS-7510 Print Quality Inspection System](#), which will also be on display, offers a label inspection solution that is custom-integrated with thermal printers, including leading brands such as Zebra® and Printronix®. The LVS-7510 performs real-time label inspection for thermal labels including 1D/2D barcode verification, OCR, OCV, data serialization validation, blemish detection, and more. In addition to inline inspection demos, Microscan will also demonstrate the [LVS-9580 Handheld Barcode Verifier](#), a specialized solution for offline barcode verification to ISO/IEC barcode print quality parameters, GS1 specifications, and more.

Attendees are welcome to try Microscan's all-new smart cameras in demo applications at the booth, and to meet and discuss technology with Microscan personnel. Throughout the show, Microscan experts will be present to answer tough questions about machine vision, including members of the Microscan applications and sales teams.

[Get a free pass to The ASSEMBLY SHOW on behalf of Microscan](#) and see MicroHAWK live at booth #1705. Learn more about the benefits of machine vision at www.microscan.com/vision.

About Microscan

Microscan is a global leader in barcode reading, machine vision, and verification technology serving a wide range of automation and OEM applications. Founded in 1982, Microscan has a strong history of technology innovation that includes the invention of the first laser diode barcode scanner and the 2D symbology, Data Matrix. Today, Microscan remains a leader in automatic identification and inspection with extensive solutions ranging from barcode reading, tracking, and traceability to complex machine vision measurement, guidance, symbol verification, and print quality grading.

As an ISO 9001:2008 certified company recognized for quality leadership in the U.S., Microscan is known and trusted by customers worldwide as a provider of quality, high precision products. Microscan is a part of [Spectris plc](#), the productivity-enhancing instrumentation and controls company.

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