

## Omron and MartinCSI Partnership a Vision of Success: Dedicated Lab Drives Brand Protection

MartinCSI, a Midwest-based industrial control system integrator, provides industrial and control data collection systems which are well-known throughout North America for being efficient and reliable, specifically engineered for their customers' unique application needs. In fact, the company most recently received recognition from Control Engineering® as Integrator of the Year as well as Integrator Member of the Year from the Control System Integration Association (CSIA).

And while MartinCSI's capabilities range from controls, motion and safety all the way to robotics, their customers claim one of their specialties is designing and building vision systems for challenging applications and environments.

The complexity and volume of projects - requiring integrated vision - that MartinCSI is frequently tasked with, prompted Omron to partner with the company and launch a dedicated vision lab to conduct proof-of-concept work as well as testing and validation services.

### The Vision Lab

MartinCSI added the dedicated Omron vision equipment to complement its existing lineup of technology showcases. Located in the heart of Ohio's manufacturing community, the lab is the ideal setting for customers to experience cutting-edge Omron vision, identification and sensing technologies.

Customers can see firsthand how MartinCSI engineers design and build vision solutions for real-world applications.

The vision lab has allowed customers to view pass/fail tests, barcode matching, data collection, part presence and absence as well as inspection and measurements on their own products.

"Our customers enjoy watching the step-by-step process that goes into solving their most complex applications," comments Jim Sellitto, Vice President of Business Development for MartinCSI.

The vision lab boasts a variety of the latest technologies from Omron - from smart cameras to high-speed vision systems. The FH, FZ5 and FQ2 are staples in the lab along with Omron's complete portfolio of lenses, lighting and mounting options as well as vision algorithms to develop the ideal solution specifically tailored to each application's unique specifications.

Since the vision lab opened in 2015, the MartinCSI team has taken on some unique challenges. "I've seen the team tackle applications from the inspection of packaging for food and beverage companies to identifying spotted paint and stain variations or defects," says Scott Harvey, Account Manager for Omron.

### Vision is Vital for Brand Protection

In today's vision-guided manufacturing environment, capabilities extend far beyond identifying defective parts. Complex applications are easily solved with the right mix of cameras, lighting and optics, lenses and filters and user-friendly application development environments.

And by collecting data from vision inspection, companies now have the opportunity to identify and fix inconsistencies early in the production process.

The bottom line is that vision inspection is used in virtually all manufacturing industries to boost product integrity, increase production efficiency, meet regulatory compliance... and protect a brand's reputation.

MartinCSI in Central Ohio is committed to the long-term development of industrial control system design and integration serving the automotive, utilities, food and beverage, pharmaceuticals, glass and plastic, chemicals, packaging and pet care industries.

In 2015, Omron partnered with MartinCSI to launch a dedicated vision lab to conduct proof-of-concept work as well as testing and validation services. Since the opening of the lab, MartinCSI engineers have taken on some unique challenges to help customers improve the accuracy of barcode matching, pass/fail tests, data collection, traceability of products on a line as well as part presence and absence.

[www.martincsi.com](http://www.martincsi.com)

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