



**MATROX**  
I M A G I N G

A growing number of manufacturers require vision systems for traceability, inspection and guidance to meet stringent quality and efficiency standards. Earlier this month Patti Engineering announced it is a [Matrox Imaging Authorized Integrator](#). Patti Engineering has been recognized and certified for having the technical expertise to assure exceptional quality and service for the development and installation of turnkey vision systems for end users working with Matrox Imaging products. Products include frame grabbers, vision processors, imaging computers, industrial and smart cameras, and application development software.

Machine vision systems have come a long way in the last decade. Complex programming requirements, difficult installations, mediocre functionality and low reliability deterred many manufacturers in the past. The technology required to implement a system successfully was simply out of reach for most users. Today, machine vision products have matured, functionality has increased, and the cost and complexity of systems has come down. The technology is evolving rapidly and Matrox Imaging is at the forefront of technology advances, creating new opportunities on the manufacturing floor. With 30 years of industrial experience, Matrox Imaging knows the needs of its industrial automation customers.

For example, Matrox Iris GT is a powerful smart camera family featuring the Matrox Design Assistant, an intuitive, versatile and extendable integrated development environment (IDE). Patti Engineering can configure and deploy machine vision applications on a highly integrated platform. Video capture, analysis, location, measurement, reading, verification, communication and I/O operations as well as a web-based operator interface are all set up within the single IDE. Communication over the factory-floor and enterprise networks is accomplished by way of an Ethernet interface. With the sturdy, dust-proof and washable IP67-rated casing, these smart cameras can be used in a variety of applications.



Patti Engineering recently worked on an engine assembly application integrating Matrox Imaging Cameras to Siemens PLCs. From our engineers' viewpoint, Matrox Design Assistant considerably reduces development time saving the end user money in engineering development time. Our engineers were also impressed with the support Matrox Imaging offers. On a few occasions during the initial development phase our engineers looked to Matrox Imaging for guidance; our engineers appreciated having direct access to highly experienced engineers at Matrox to quickly address questions.



"Patti Engineering joins us as an authorized integrator serving Michigan and Texas, which are areas of particular significance because of their robust manufacturing base," said Roberto Baccega, U.S. sales manager at Matrox Imaging. "We built the authorized integrator program in 2007 to assure exceptional quality and service for end users working with our products. A growing number of manufacturers require vision systems to meet stringent

quality and efficiency standards and integrators play a vital role in delivering these systems. Patti Engineering meets our high standards for technical expertise and is a great addition to our network of integrators.”

When a manufacturer determines that machine vision can be an effective tool for their application, they must decide the best path to take in configuring a system. While the in-house development may be an option, the learning curve and time-to-market pressures make the in-house approach largely impractical. The vision system meant to add value to a product can become a serious drain on time, energy and resources. An experienced system integrator has the integration expertise necessary to provide application-specific solutions based on a thorough review of the requirements.

Integrators enrolled in the Matrox Imaging Authorized Integrator program have years of experience delivering systems to a wide range of fields including manufacturing, automotive, food, electronics, pharmaceuticals and more. Companies that achieve a spot amongst this group of professional integrators receive benefits such as preferential pricing on Matrox Imaging hardware and software products, personalized application support, training sessions and more.

Manufacturers interested in learning how the development and integration of vision systems into their manufacturing processes can benefit the quality control, efficiency and productivity of their operation, can [contact Patti Engineering](#) by calling (248) 364-3200 or email [info@PattiEng.com](mailto:info@PattiEng.com) to learn more about innovative turn-key imaging solutions.

Visit [Matrox Imaging's website](#) for more information on Matrox Imaging products.