Machine Vision Solutions

FSI™ Technologies

Experts in Industrial Automation Products

Since 1959

FSI Technologies
Machine Vision Products

FULL SYSTEM

CVS-700

The CVS-700 is a family of machine vision systems that can be designed to meet the needs of almost any inspection or robot guidance application.

The full CVS-700 system includes a Central Vision Processor, Machine Vision software (either NeuroCheck GmbH or EyeVision Technology), up to 32 cameras for imaging and optional input/output functions, monitor, enclosures and more.

A full-system allows customers to utilize multiple cameras and provides users with a choice of machine vision software — NeuroCheck GmbH or EyeVision Technology.

All CVS-700/800 units are built, tested and supported by the FSI team of Machine Vision experts at our factory in Lombard, IL.. These systems are a high-quality, cost-effective tool for automatic inspection or robot guidance in the workplace.

OR

SMART CAMERA

EyeSpector

The EyeSpector family is a variety of Smart Cameras that work as a powerful “all-in-one” inspection system. The EyeSpector is a pre-programmed smart camera that features EyeVision machine vision software within it.

These camera may be a logical choice if the application requires just one camera. A smart camera may also be a cost-effective part of the machine vision solution—if budget constraints are an issue. Finally, if space is limited, the EyeSpector may be the best tool for you.

All EyeSpector cameras are powered by EyeVision Technology (EVT) in either a Basic or Full version of the software. EVT software offers an extensive range of machine vision tools and capabilities with a variety of different application level platforms that can function on many different systems.

Consider this: Do you need a **product** or a **solution**? Machine Vision products alone will not do the work of a Machine Vision solution. Our Assured Path to Success (APS) Customer Solutions Program will provide you engineering support to tackle the toughest inspection issues in the field. Purchase your products under our APS-scope of work to have guaranteed project success!

FSI Technologies

Lighting & Optics Solutions

FSI Lighting & Optics are a crucial part of any successful machine vision solution.

Lights can be selected for individual applications under our Assured Path to Success program (APS) or purchased via FSI Express as a “parts-only” purchase.

Lighting Options Include:

- LED
- Fiber Optic
- Laser (Structured)
- High Frequency Fluorescent

Lighting Options Include:

- Ultra Watertight Fluorescent
- Strobe Style
- Xenon strobeHalogen
- Incandescent

Lenses/Optics Include:

- High accuracy with locking &filter mount
- Telecentric Lenses
- Gauging Lenses
- Specialty lenses, filters

We offer more than products!

Upgrade to an APS solutions purchase and take advantage of the machine vision expertise of our on-site engineers.

The Assured Path to Success is a customer service program unique to FSI Technologies Inc.

In an industry where failure is too often the norm, our APS program helps guarantee the system you’re purchasing is the right one — dramatically improving the likelihood of success.

Assured Path to Success (APS) Our Customer Service Program Roadmap to Success

1. Expert assistance during “How do I begin?”
2. Guidance on developing the Vision Application Sheet
3. Pre-engineering work to determine appropriate solution
4. Production/Testing of the equipment
5. Training and Implementing
6. Follow-up support aimed at empowering the customer
7. Long term partnership options for adjustments and upgrades

Training & Consultation Services

FSI Technologies Inc. offers a wide variety of training courses in machine vision and machine vision software (including NeuroCheck and EVT software).

We also offer application-specific consultations either in the Chicago area or at your facility.

Software Benefits

Powerful

Includes most machine vision tools

Available for hardware configurations

Extensive interconnectivity, plug-in support, OLE automation and open system documentation

Additional set of administrative & interconnectivity tools

Standardized & Scalable

Tools remain the same in all versions

Scalability without violating standardization, the engine or tool set

Single product that spans hardware configuration and time

Trustworthy & User Friendly

Thousands of industrial deployments

Provided by FSI: A trusted manufacturer of factory automation products for over 50 years

All functions fully integrated via a single graphic user interface

Automatic passage of results & dialogue boxes make it user-friendly.

Capabilities / Tools

Presence/Assembly verification

Gauging

Character recognition

Bar Code ID

Color/Pattern Recognition

Surface analysis & inspection

Position verification

Robot guidance

Print/Packaging inspection

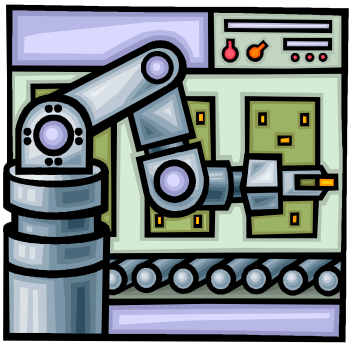
Clearly structured and organized central Control Panel

Accommodates multiple drivers

Multiple output windows that can be used to display:

- Real-time camera images
- Measurement results
- Statistics
- Process trends

Industry Applications



- Automotive & Component Manufacturing
- Food Processing
- Pharmaceutical & Medical Manufacturing
- Packaging Inspection Systems (cans, bottles, cartons)
- Plastics/Glass & Wood inspection systems
- Metallic part inspection systems (formed, cast, machined)
- Solar & Semiconductor Manufacturing

Let us help you with your vision! Contact us at: info@fsinet.com

668 E. Western Ave. Lombard, IL 60148 630-932-9380 or www.fsinet.com