



The International Society of Automation

The ISA NJ Section Invites You to Attend a Program Meeting

“Machine Vision 101”

Date: Thursday, October 21, 2010
Time: 5:30pm Networking & Sandwiches
6:00–7:30pm Program Meeting
Location: Axis, Inc.
210 Meister Ave.
Somerville, NJ 08876
Directions: 287 South to Exit 17. Merger onto US-202 S/US-206S towards US-22W/Somerville/Flemington. Merge onto US-22W. Make Left on County Line. Make 1st Left onto Meister Ave.
Speaker: Mark Smith, Machine Vision Specialist, Axis, Inc.
Bill Kantor, Business Development Manager, Cognex Inc.

What is machine vision? How is it applied? What are the applications? What are the considerations? We will discuss the technology that allows the on-line inspection of manufactured parts at speeds that blur human vision. Industries include pharmaceutical, automotive, plastic injection molding, metal stamping, food and beverage... basically any automated assembly process. It can reduce scrap, improve quality, and comply with validation standards. It is a rapidly growing segment of the automation world.

The presentation will include: An explanation of the components necessary for a complete inspection solution. You will see that proper lighting is critical and various lighting methods will be discussed with examples of each. Lenses play an important role as well and affect resolution of the system. There will be live demonstrations of various successful applications. Inspection capabilities such as precise measurement, flaw detection, counting, 1D and 2D bar code reading, as well as reading text will be discussed. Questions and application discussions from the audience are welcomed.

Speakers:

Mark Smith, Machine Vision Specialist

Mark has more than 15 years of experience with Axis, Inc. in various roles. He has been the motion control specialist and is an expert in high performance motors and drive systems. He has headed up the engineering department and manages all of the field service personnel. Most recently he has assumed the role of Machine Vision Specialist. Machine vision is the most rapidly growing segment of our automation business.

Bill Kantor, Business Development Manager

Bill has more than 15 years working with Cognex Machine Vision. He has been the OEM account manager, and specialized in direct part marking and traceability. He is very involved with the emerging e-pedigree standard for pharmaceutical serialization, which protects against counterfeiting drugs. The developing standards will provide track and trace capability from the manufacturing line to the consumer. Bill has a wealth of knowledge and a long history of machine vision applications.

Attendance is limited – Preregistration is required!

Please register on-line by Monday, October 18th at:

<http://www.isanj.org/registration.htm>

Program Chairpersons:

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