

Maximize the return on your SmartView® system with advanced staff training



WHAT IS IT?

Remote instructor-led advanced training for SmartView systems is conducted online by highly skilled professionals, experienced in both the product and customer applications. This course follows the SmartView Fundamentals training.

It's delivered remotely and can be attended from a home or office space. Our focused online training is broken down into sections for specific job functions or system components. In addition to the "virtual classroom", we've developed a series of self-learning

labs that use a "live" training system to reinforce the material and focus on specific customer tasks. Online training systems are used to practice the knowledge gained on a real inspection system.

WHO SHOULD ATTEND?

Anyone with a good basic understanding of SmartView who is looking to improve knowledge to develop recipes, optimize detection, classification, etc.

Anyone who is actively involved in setting up defect detection and classification for a variety of products produced on their production line, product recipes, detection limits and thresholds, defect classifiers and other setup and administrative tasks.

WHAT PRIOR KNOWLEDGE IS NEEDED?

For new SmartView users the Fundamentals training course should be completed in advance.

Also suitable as a refresher for SmartView Administrator classroom training attendees or anyone who is actively using SmartView and already understands the basics and is now seeking to enhance knowledge about recipes, detection, classification.

REGISTER FOR A TRAINING CLASS
www.ameteksurfacevision.com/training



TRAINING TOPICS

- Raw camera signal optimization
- Set-up web edge tracking troubleshooting
- Camera signal normalization
- Thresholding algorithms (standard)
- Using colormap tool to simulate thresholds
- Set-up adaptive thresholding
- How to use the pixel filter
- Defect connectivity
- Knowing when to make a new recipe
- Synchronized view processing
- Building defect libraries
- Building a learning classifier (rules, decision tree)
- Adding and removing defect samples
- Adding a new type of defect class
- Merging defects with extended connectivity
- Long defect handling
- How to use grayscale binning
- Multi-view defects (view-to-view correlation)
- Testing classifier changes against previous inspection

At the end of the course the trainee will be evaluated and certification provided.

DURATION OF TRAINING

The SmartView advanced training is a three-day course comprising four hours of online training each day. The first three hours involve a presentation with an instructor – after that, candidates will connect to an online SmartView inspection system, under our trainer’s guidance. This lets them practice the knowledge they have gained, get help, and ask further questions.

TRAINING REQUIREMENTS

- A PC with connection to the internet and Microsoft Teams application
- A quiet room or office location is suggested
- Comfortable headset, large screen, and webcam for class interaction

COURSE BENEFITS



- > **CLEAR UNDERSTANDING OF SMARTVIEW TOOLS ENABLING BETTER DEFECT DETECTION AND CLASSIFICATION**
- > **ACCURATE QUALITY ASSESSMENT ACROSS MULTIPLE PRODUCT GRADES**

NEXT TRAINING

Follow this advanced training with an intensive course focused exclusively on defect detection and classification.

Current remote training courses available:

- SmartView Fundamentals (SV-TR-FUN)
- SmartView Advanced (SV-TR-ADV)
- SmartView Maintenance and Troubleshooting (SV-TR-MT)
- SmartView Intensive Defect Detection and Classification (SV-TR-IDC)

> SIGN UP NOW

CHECK TRAINING SCHEDULE AND REGISTER FOR A CLASS AT:
WWW.AMETEKSURFACEVISION.COM/TRAINING

