Experion MX: Advanced – MD MultiVariable Controls Implementation

Course Overview
Course number: EMX-0002-AT  
Course length: 5.0 days (self-paced with 10 days to complete)

The course will prepare you to implement Machine Direction MultiVariable R701 controls on an Experion MX Quality Control System.

- Self-paced lessons online
- Exercises on Virtual Machine online

Course Benefits
You will acquire the necessary knowledge to:

- Perform pre-bump process analysis to ensure accurate results
- Identify process models from bump tests
- Configure the Machine Direction MultiVariable Controller
- Tune the Machine Direction MultiVariable Controller
- Configure the optional software packages for the Machine Direction MultiVariable Controller software

Course Delivery Options
- Asynchronous Training (AT)
- IMPORTANT – Prior to registration for the e-learning courses (LW, RT, VT, and AT), you must perform the User Readiness Test. Go to Virtual Training Access Requirements to perform this test

Who Should Take This Course?
Customer personnel who will be tuning and optimizing Machine Direction MultiVariable Controls on an Experion MX Quality Control System.

Prerequisite/Skill Requirements
Prerequisite Course
- None

Required Skills and/or Experience
- Knowledge about paper machine processes

Desirable Skills and/or Experience
- None

Course Topics
You will learn about...

- MDMV Control Basic Concept & Overview
- Performing Bump Test
- Identifying Process Model
- Controller Tuning
- Coordinated Speed Change and Throughput Max
- Gain and Delay Retune
- Stock Distribution Control
- Steam Bias/Ratio and Dryer Shutdown Controls

You will learn how to....

- Use the Bump Test display to identify process models
- Configure multivariable Machine Direction control with a defined process model file
- Set up and observe the effects of the Coordinated Speed Change optimization option
- Set up the Gain Delay Retune option of the Machine Direction MultiVariable Controls
- Set up the Stock Distribution Control package of Machine Direction MultiVariable Control
- Set up Steam Bias and Dryer Shutdown packages of Machine Direction MultiVariable Control
- Modify the recipe database to support new tuning data for Machine Direction Multivariable Control

Additional Training
To increase your knowledge and skills, there are additional courses available from Automation College.

For more information and registration, visit www.honeywellprocess.com/en-US/training.