



Course Description: InBatch 8.1 Premier

The *InBatch 8.1 Premier* class is a four-day instructor-led course that provides participants with a fundamental overview of the concepts and terms associated with our InBatch Premier product. The course includes providing the students with the opportunity to apply the product to a batch process application. InBatch Premier is flexible batch management software designed to model and automate batch-oriented production processes. InBatch Premier allows users to quickly and easily create recipes and simulate their execution against a model of the process - all before writing one line of control code. InBatch Premier's powerful batch engine, combined with its integration with FactorySuite 2000, means that users can reduce the cost and time to automate batch processes by 40 to 60% over competitive solutions. InBatch Premier facilitates the design and implementation of solutions that are compliant with 21 CFR Part 11, the US Regulation on Electronic Records and Electronic Signatures.

OBJECTIVES

Upon completion of this course, participants will be able to have a high level understanding of the functionality and features of the InBatch 8.1 Premier structure. This includes the following:

- Fundamentals of a Flexible Batch
- Introduction to the Batch Control System
- Installation of the Batch Control System
- System Configuration
- Process Modeling
- Phase Logic Development
- Materials Management
- Recipe Management
- Batch Management
- Batch Scheduling
- Batch Execution
- Warm Restart
- Process Modeling
- Material Management Enhancements
- Recipe Management Enhancements
- Batch Management Enhancements
- Batch Information Server
- Batch History and Historical Reports
- Using a SQL Server Database & Crystal Reports
- Real-time Batch Reports
- Process Logger
- Historical Database Maintenance
- Security System
- Tag Linker
- Tag Interface Management (TIM) System
- InBatch Wizards
- InTouch Script Add-On Functions
- Tag Browsing
- Client Alarm Event Interface



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AUDIENCE

Plant floor operators and managers, system administrators, system integrators and other individuals who need to use InBatch in their manufacturing processes.

PREREQUISITES

The prerequisites for this course are:

- Manufacturing industry experience
- Working knowledge of Batch processes
- Database experience helpful
- Basic knowledge of Batch systems and their structure



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COURSE OUTLINE

Module 1 - Introduction to the Batch Control System

- Section 1 - Course Overview
- Section 2 - Batch Control System Overview
- Section 3 - InBatch Arch & Sys Requirements

Module 2 - Environment Manager

- Section 1 - Environment Manager Overview & Operation

Module 3 - Process Modeling

- Section 1 - Process Model Configuration
- Section 2 - Phase Parameters & Configuration
- Section 3 - Tags
- Section 4 - Segments & Equipment Statuses
- Section 5 - Phase Logic

Module 4 - Train Editor

- Section 1 - Use & Operation of Trains

Module 5 - Materials Management

- Section 1 - Overview & Associated Editors

Module 6 - Recipe Management

- Section 1 - Recipes & the Recipe Editor
- Section 2 - Procedure Editor
- Section 3 - Instances

Module 7 - Batch Management

- Section 1 - Overview
- Section 2 - Batch Display & Operation
- Section 3 - Warm Restart

Module 8 - Phase Logic

- Section 1 - Defining & Configuring Phase Logic

Module 9 - Process Logger

- Section 1 - Process Logger System

Module 10 - History & Reporting

- Section 1 - History & Archiving
- Section 2 - Reporting System

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Module 11 - Security System

Section 1 - Oper, Config, & App of IB Sec Sys

Module 12 - Tag Linker

Section 1 - Overview & Operation

Section 2 - Export & Interfacing

Module 13 - Tag Interface Management

Section 1 - Tag Interface Management System

Section 2 - InTouch Batch Wizards

Section 3 - InTouch Script Add-On Functions

Module 14 - InBatch ActiveX Objects

Section 1 - SFC ActiveX Control

Section 2 - Batch ActiveX Control

Section 3 - Installing SFC ActiveX into InTouch

Module 15 - InTouch Batch Tag Browsing & Ref

Section 1 - Using InBatch from InTouch

Module 16 - Client Alarm / Event Interface

Section 1 - Architecture & Configuration