

SequenceManager

Logix Controller-based Batch and Sequencing Solution

Key Benefits

SequenceManager™ software significantly reduces engineering time for system integrators and process equipment builders while providing key controller-based batch management capabilities for end users. Key benefits include:

- Enables distributed sequence execution
- Fast and excellent reliability of sequence execution native to controller
- Efficient sequence development and monitoring in core product
- Integrated control and HMI solution for intuitive operation
- Reduced infrastructure costs for small systems
- Provides data necessary for sequence reporting



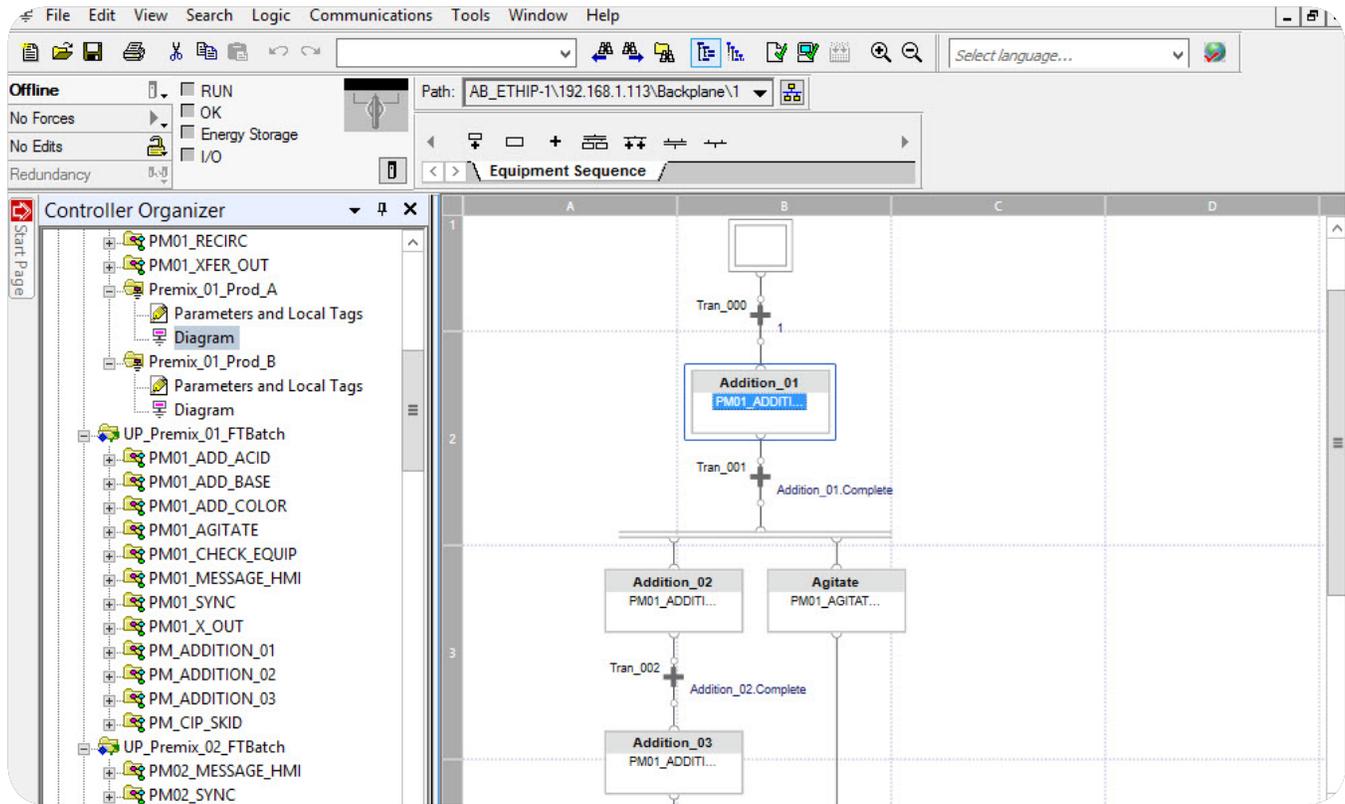
A Scalable Batch Solution for Process Control Applications

A modern batch system must account for the growing need for architecture flexibility, true distribution of control, and scalability. SequenceManager software provides batch sequencing in the Logix family of controllers by adding powerful new capability closer to the process and opening new possibilities for skids, off network systems, and single unit control. SequenceManager allows you to configure operations in Studio 5000 Logix Designer®, run sequence in FactoryTalk® View SE, and to capture and display batch results.

SequenceManager directs PhaseManager™ programs inside a Logix-based controller in an ordered sequence to implement process-oriented tasks for single unit or multiple independent unit operations. Using industry standard ISA-88 methodology, SequenceManager enables powerful and flexible sequencing capabilities that allow for the optimal control of sequential processes.

With SequenceManager, you can deliver fast and reliable sequence execution while reducing infrastructure costs for standalone units and complete skid-based system functionality.

LISTEN.
THINK.
SOLVE.



Distributed Batch Management Based on Proven Technology

Built Upon Rockwell Automation Integrated Architecture

SequenceManager was built using the standard control and visualization capabilities found in Rockwell Automation® Integrated Architecture® software. SequenceManager is a new capability that is built into Logix firmware that uses visualization through FactoryTalk® View SE to create an integrated sequencing solution. Combined with event and reporting tools, SequenceManager software is a complete batch solution for single unit and skid-based process applications.

Scalable Controller-based Solution

SequenceManager allows flexible design for skid-based equipment to be developed, tested and delivered as a fully functioning standalone solution but, if needed, seamlessly integrated into a larger control system.

This strategy provides the end user with the option to integrate equipment without imposing design constraints on the OEM delivering the skid. Additionally, it enables the end user to deliver equipment as a standalone system without the constraint to scale to a larger process solution in the future. This batch solution offers scalability to help prevent costly redesign and engineering.

Flexibility to Meet Process Needs

SequenceManager enables you to expand your process control on skid based equipment that performs repetitive tasks and decision-making abilities. By using the ISA-88 methodology, SequenceManager allows for control design that can be adopted to fit the needs of the process industries without the constraints of custom application code. Built-in state model handling provides for fast and easy configuration while maintaining control of the process.

Experience the Difference

Plant-wide control capabilities

Eliminate the need for different and disparate control systems by integrating batch in the controller with discrete control, power, safety and information into one plant-wide infrastructure.

Scalable and flexible architecture

Deliver fully tested and contained ISA-88 control without the need to re-create the batch control in the site's batch server by integrating batch in the controller with larger batch execution systems. This solution easily integrates into larger systems such as FactoryTalk® Batch and PlantPAX® DCS.

Local support throughout the world

Leverage the global execution capabilities of Rockwell Automation and its partners and take advantage of the savings associated with local support.



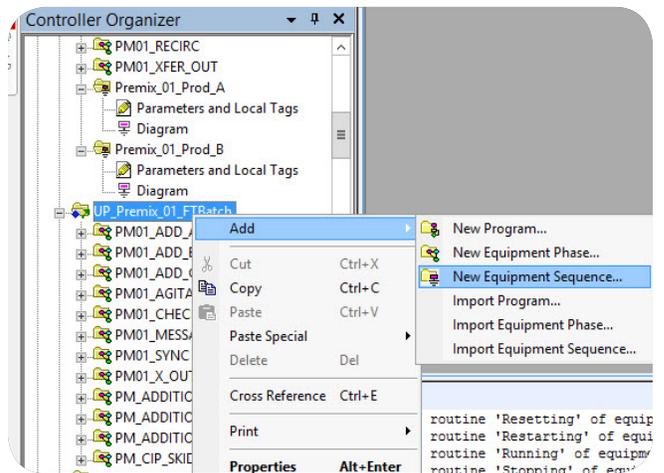
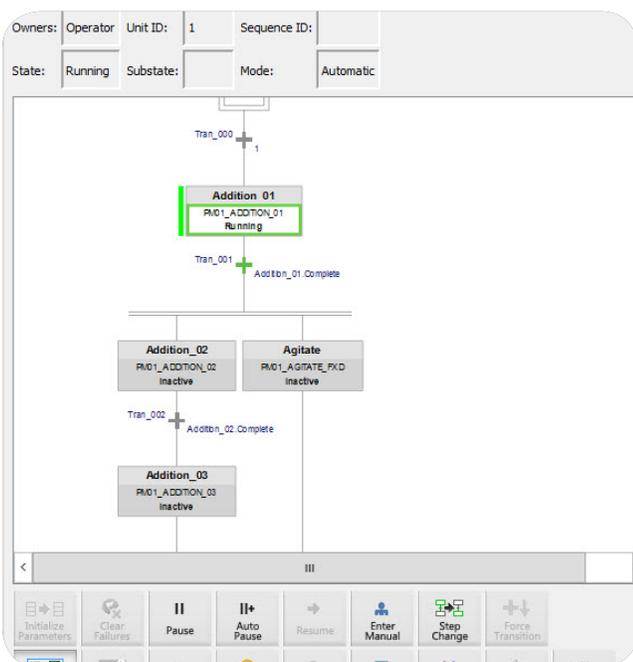
Allowing for an Intuitive Batch Application

Responsive batch interactions between the controller and equipment, along with intuitive operator interfaces, provide the core of a truly distributed batching strategy that drives ISA-88 procedural models.

Editor and Viewer

As a brand new program type in Studio 5000 Logix Designer®, SequenceManager™ software gives the user the power and flexibility necessary to create dynamic recipes to maximize the effectiveness of the process control system.

Without limitations on steps and parameters, and the ability to run parallel phases, to branch, and to loop back and rerun steps, SequenceManager removes the barriers in achieving effective batch within the controller.



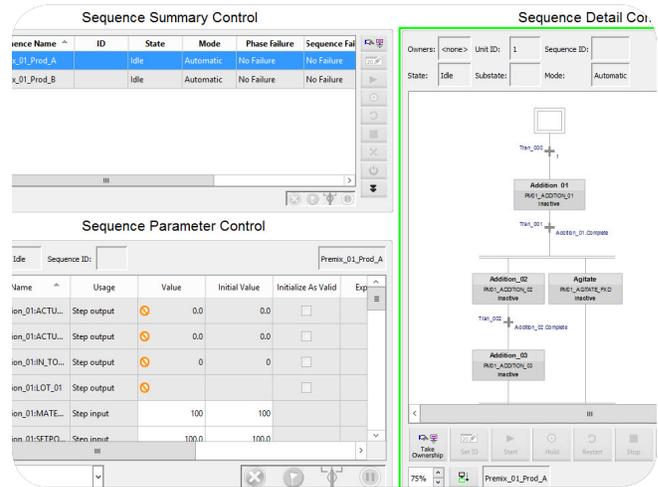
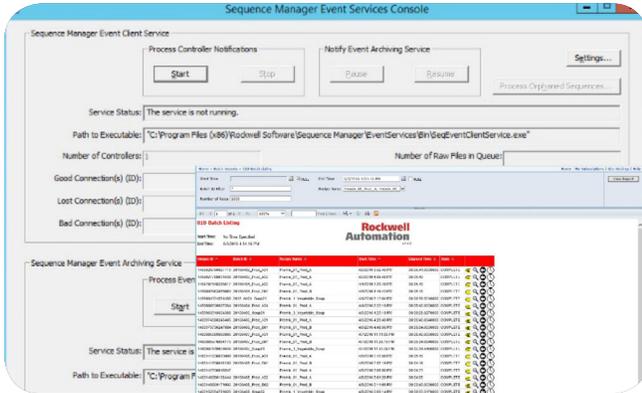
Sequence Execution

Procedural sequences are executed through native functions in the controller. With an integrated ISA-88 state model, the control and states of phases can be assured.

Standard batch functionality, such as manual control and active step changes, are included to give the operational flexibility that is needed to respond to abnormal process conditions.

Operator View

FactoryTalk® View SE and ActiveX controls monitor and interact with a running procedural sequence through the HMI. Advance ActiveX controls provide an intuitive interface for controlling sequences and changing parameters from the operational environment. Improved capabilities allow the user to perform manual step changes and acquire control easily.



Reporting and Analytics

SequenceManager data generates events that are used to produce batch reports and procedural analysis. A separate event client transfers the event data from the Logix controller to a historical database. SequenceManager uses the same data structure and reports as FactoryTalk Batch, which provides a consistent and intuitive batch reporting tool among Rockwell Automation® Batch Solutions.

Additional Information

Visit us at www.rockwellautomation.com/process

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