

SoftLinx™

Laboratory Automation Software

SoftLinx™ is a powerful, flexible software program for controlling your laboratory instrumentation. It is also incredibly easy to use!

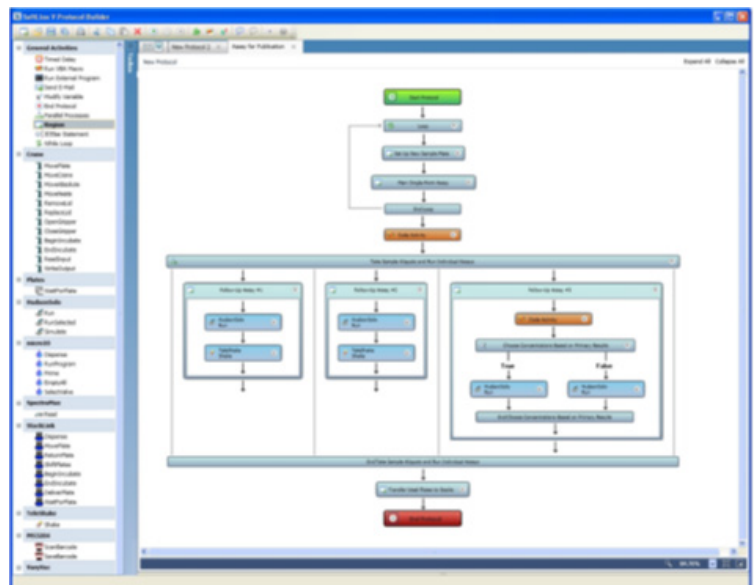
SoftLinx™ is a powerful multitasking application for planning and running lab automation workcells. It is designed to make the programming and operation of lab automation workcells easy for lab personnel, yet flexible enough for even the most demanding custom modification by programmers.

When used with the powerful SoftLinx System Controller Package provides true “endpoint-driven” automated workstations.

Intuitive: The user interface includes a drag-and-drop flow chart-like interface which makes it easy to build a protocol that takes maximum advantage of your instrument configuration. Individual steps can be added, customized or removed, and series of independent or interdependent methods can be defined.

Flexible: SoftLinx turns any large, integrated system into a combination of small virtual workcells, incorporating only the instrumentation that the user needs! SoftLinx allows users to start and run additional methods, even while others are already running, even using the same instruments, whether pre-planned or not!

Scheduling: SoftLinx's opportunistic scheduling finds the most efficient way to perform complex protocols, running different stages of the process simultaneously, and deploying individual robots differently depending on the current state of the system.



Features

- SoftLinx is designed to let anyone who can make a flowchart develop a SoftLinx protocol. SoftLinx uses a drag-and-drop flowchart approach to define every movement of every microplate and every instrument action during the protocol.
- SoftLinx is a multitasking application capable of dynamic scheduling. It makes the programming and operation of lab automation workcells easy for lab personnel, yet flexible enough for extensive custom modification by programmers.
- Users can run multiple batches in different stages of a process at the same time or run any instrument individually while executing another, fully-automated run.
- SoftLinx turns even large, integrated systems into combinations of small workcells, mixed and matched whatever way the user may need to use them. SoftLinx' large library of optional software interfaces for controlling third-party instruments are written in Visual Basic for Applications (VBA) script. Users can even write their own, custom interfaces.
- SoftLinx allows users to start and run additional methods, even while others are already running, and even using the same instruments.

Specifications

- Multitasking executable program with built-in dynamic scheduling
- Connectivity to >100 lab automation devices with Hudson-supplied interfaces
- Icon-based drag-and-drop configuration and method editing
- Individual icons for each connected laboratory instrument
- Capable of simultaneously executing multiple method threads and multiple methods
- Simple "VCR"-type buttons for starting and stopping methods
- Real-time display of all workcell actions during operation of the system
- Supports full recovery from unscheduled shutdowns or interruptions
- Superior context sensitive help system
- Encrypted password entry and password change feature for all users
- Multi-level user access and permissions
- Data Audit trail to log all user-permitted actions
- Allows operators to add plates to a run already in progress
- Supports parallel assays, resulting in higher throughput
- Facilitates accurate event timing such as incubation periods
- Complex methods can be built using functions such as loops, if-then statements, math and string functions, and timers for incubations
- 21CFR Part 11 compatible