

STRATA STORE CONTROLLER SOFTWARE ENHANCEMENT PACKAGES

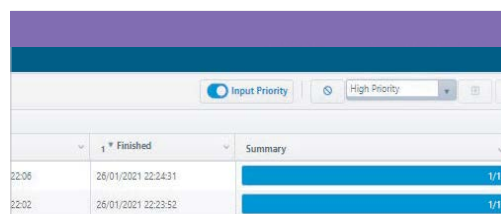
Introduction

Strata™ Store Controller Software is the high-performance engine that drives the sample management process in the Azenta Life Sciences SampleArc™ and BioArc™ automated storage systems. The Enhancement Packages are available to new and existing users to unlock the full potential of automation so you can get more done in less time.

Enhancement Packages

Strata Store Controller Software Enhancement Packages are designed to improve workflows, provide access to advanced features, and improve sample management. Packages include:

Package	Features	Description	Version
 <p>Throughput and Workflow Enhancement</p>	Single order throughput predictor	Planning tool to calculate completion time of simple orders.	6.5 +
	Array picking optimization	Efficiently arranges requested samples on destination trays to maximize space utilization, minimize tray count, reduce picker travel, and boost throughput.	6.5 +
	Store load vs. remove bias switch	Simplifies store management for users who want to quickly change the priority between loading (input) and delivering (output) samples.	6.6 +
	Single order picker spanning	For multi-picker systems, orders are spanned across multiple pickers to increase throughput and order efficiency.	6.5 +
	Picker allocation	For multi-picker systems, orders can be assigned to a specific picker.	6.5 +
	Direct load (loading tray without imager)	For mass migration or loading of samples, the focus is sample temperature stabilization (no imaging step).	6.3 +
	Load & go	Samples that have been loaded in the store are immediately available for retrieval.	6.5 +
	Combining LIMS orders selected by user	Small LIMS orders (typically < 96 tubes each) can be selected together by the user resulting in fewer tray exchanges leading to higher throughput.	6.11 +
	LIMS labware trash	Any retrieved samples that are flagged by the LIMS as unwanted or expired samples, but are then reloaded back into the store, will be marked as an error.	6.6 +

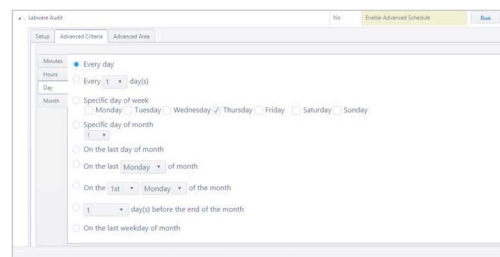


Input Priority			High Priority
22:06	26/01/2021 22:24:31	Summary	1/1
22:02	26/01/2021 22:23:52		1/1

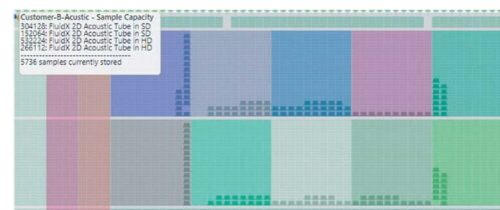
Quickly change the priority between loading (input) and delivering (output) samples.

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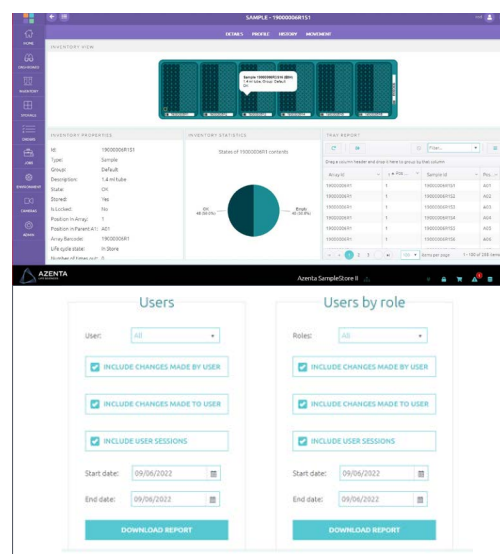
Package	Features	Description	Version
2 Advanced Job Management	Advanced time scheduling	Simple and efficient task and order scheduling (minute, hour, day, week, month).	6.6 +
	Advanced physical area selection	More targeted and flexible options for labware audit / housekeeping.	6.6 +
3 Storage Optimization	Physical tenancy - Advanced	Specific sample sets are organized on trays and physical locations within the system; Only sample sets allocated to specific users can be visible or accessed.	6.5 +
	User/order partitioning	Multiple groups of sample sets/owners only have access to view their own orders, ensuring sample security and auditing.	6.5 +
4 BioArc Sample Management	Staged storage loader to prevent warm tray impacting a tray stored above	Samples are placed in the Input Area to temperature stabilize without affecting local innocent cold samples.	6.3 +
	Sample stabilization during reformatting/output	Operations outside storage are time-limited to avoid warming samples; if there are delays, a timeout tells the store to put the order back into storage (now a core Strata feature for BioArc stores).	6.3 +
5 Compliance	Electronic reports and comprehensive audit trail	Provides a report of user access, orders, inventory, errors, and more.	6.8 +
	Authenticated access	Requires authentication before loading or retrieving samples, providing CFR21 Part 11 compliance.	6.8 +
	Temperature and humidity reports	Provides temperature and humidity graphs.	6.8 +
	Tri-state escalation alarming for temperature and humidity	Multiple levels of alarming (for example OK/Warning/Fault) can be enabled for specific temperature and humidity sensors, and for each escalation level.	6.8 +
	User notes when responding to interventions	Users can add notes, which are visible in the audit trail, to clarify interventions and their impact on compliant processes.	6.8 +
	Integration with Active Directory for groups and roles	Strata can integrate with Active Directory, letting users manage their accounts using their existing Windows passwords, without needing separate passwords in Strata.	6.8 +



Advanced time scheduling: Simple and efficient task and order scheduling.



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