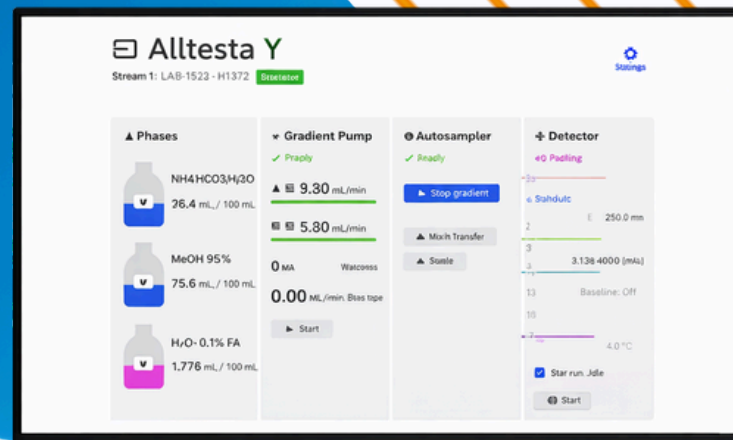




more at www.sielc.com

Product Catalog

INNOVATIVE YET INTUITIVE HPLC



Cromite™ HPLC System

Cromite™: Simplifies Research and Delivers Precision

The Cromite™ HPLC System is a compact high-performance liquid chromatography (HPLC) instrument for research and education. It combines simple operation with professional capabilities, including automated single-vial injection, isocratic flow up to 3000 psi, and UV/Vis detection at four wavelengths for quantitation.

The system uses proprietary single-ended column technology (up to 150 mm) by SIELC Technologies, with zero dead volume, no tubing or fittings, and tool-free column replacement. Free cloud-connected software supports remote operation, real-time monitoring, data analysis, and easy result sharing.

Injection

Automatic, 1 Vial

Pressure

up to 3000 psi

Flow rate

0.1 - 4.0 ml/min

Wavelengths

Any 4 starting from 255 nm

Supported Columns

4.6, 3.2, 2.1 mm ID

Pump type

Syringe

Column Length

150 mm or smaller



4.5 x 7.5 x 4.5 inc

3.2 lb



SCAN HERE

Alltesta™ Automated Analyzer

Alltesta™: Boosts Productivity and Ensures Accuracy

The Alltesta™ Automated Analyzer, developed by SIELC Technologies, is a compact, fully automated HPLC system designed for research, quality control, and routine laboratory analysis. It features automated random-access sampling for 48, 54 vials or 96 well-plate, high-pressure injection from 1 to 50 μ L, operation up to 3000 psi, and UV/Vis detection at four wavelengths.

The system is controlled through cloud-connected software for method setup, automated data collection, real-time analysis, and instrument monitoring. Remote access from computers and mobile devices allows users to operate the system, review results, and share data from virtually anywhere.

Injection Type
High pressure

Sample Capacity
Automatic, 48/54 Vials and
96 Well-Plate

Flow Rate Range
0.001 to 8.0 mL/min

Injection Range
1-50 μ L

Wavelengths
Any 4 starting from 255 nm

Supported Columns
4.6, 3.2, 2.1 mm ID

Pump type
Syringe

Column Length
Any



SCAN HERE

Alltesta™ Mini-Autosampler



6.3 x 5.7 x 7.7 inc



6.6 lb

The Mini-Autosampler **Frees Up Time** & Handles Accuracy

The Alltesta™ Mini Autosampler, developed by SIELC Technologies, is a compact and highly customizable solution for automated liquid sample handling in HPLC and other analytical applications. It supports multiple tray formats, syringe capacities, valve configurations, and needle options, with pressure capabilities up to 5000 psi. Built-in sample mixing, reagent addition, dilution, and flexible liquid handling expand its use beyond standard injection. The Mini Autosampler can be controlled directly through serial commands using an open protocol, integrated into third-party systems, or operated as part of an Alltesta™ Analyzer, making it ideal for both laboratory and OEM applications.

Maximum Pressure

High pressure

Volume Accuracy

0.1 µL

Plate

48, 54, 96, 384 vials

Syringe Volume

120 µL, 4000 µL

Valve options

6×2, 7×6, 10×9, 7×6*, 6×2*

*other rotor

Needle

36 mm, 46 mm



SCAN HERE

Alltesta™ Mini UV-Vis Detector

The Detector **Sheds Light** on the Analytes

The Alltesta™ Mini UV-Vis Detector is designed for accurate, real-time monitoring of optical properties in flowing solutions. It features a simple setup with a USB interface for communication with the Alltesta™ Analyzer or other instruments. With a low optical cell volume (<3 µL) and minimal dispersion, it collects data at 20 sps per optical channel, making it ideal for demanding applications.

The detector can be supplied with an optional connector which provides an analog signal output.

Optical Cell Volume

<3 µL and 10 µL

Liquid Ports

10-32 UNF compression

Wavelength Range

255 nm and up

Cell Pressure

250 psi (18 bar)

Noise Level

0.02 - 0.05 mAU

Wavelengths

Up to 4

Cell Optical Path

3 mm and 7.0 mm

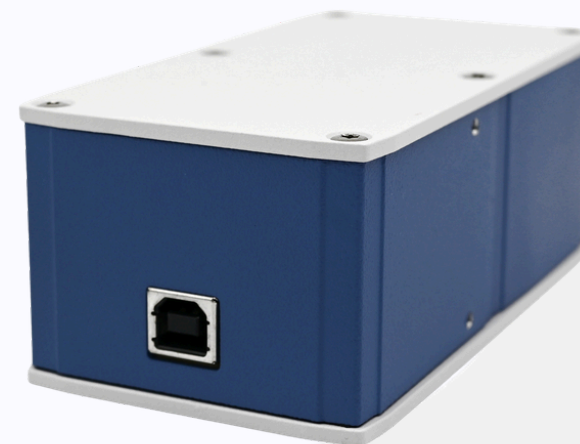
Optional

Analog Signal

Data Rate

20 sps/channel

6.3 x 5.7 x 7.7 inc
0.55 lb



SCAN HERE

Alltesta™ HP Mini Syringe Pump

The Syringe Pump Delivers **Pulseless Liquid** Flow

Alltesta™ Mini HP Syringe Pump delivers precise, pulsation-free flow at pressures up to 3000 psi (206 bar). It refills in under a minute and provides a wide flow range from 1 µL/min to 8 mL/min, with constant flow and constant pressure operating modes for flexible fluid delivery.

Available with or without an integrated purge valve, the pump features USB/Serial communication and an open serial protocol, allowing easy integration with analytical instruments, automated systems, and OEM applications.



2.5 x 6.6 x 5.0 inc

0.55 lb



Maximum Pressure

3000 psi (206 bar)

Pressure Accuracy

±1 psi

Flow Rate Range

0.001 to 8 mL/min

Contact with liquid

SS316, PTFE, PEEK, UHMW

Speed Accuracy

1% of full-scale

Syringe volume

5.8 mL

Power Requirements

24 VDC



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Alltesta™ LP Mini Syringe Pump

The Syringe Pump Delivers **Pulse-Free** Liquid Flow

Alltesta™ Mini LP Syringe Pump delivers precise, pulse-free flow in a compact design for analytical instruments, laboratory automation, and OEM systems. It provides flow rates from 0.001 to 8 mL/min with stable and reproducible liquid delivery.

Two syringe options provide pressures up to 200 psi with a 4.0 mL syringe or up to 1000 psi with a 120 µL syringe. Open UART communication allows easy integration with custom software and automated systems.

Maximum Pressure

200 psi (4.0 mL)
1000 psi (120 µL)

Flow Rate Range
0.001 to 8 mL/min

Syringe Volume
4.0 mL / 120 µL

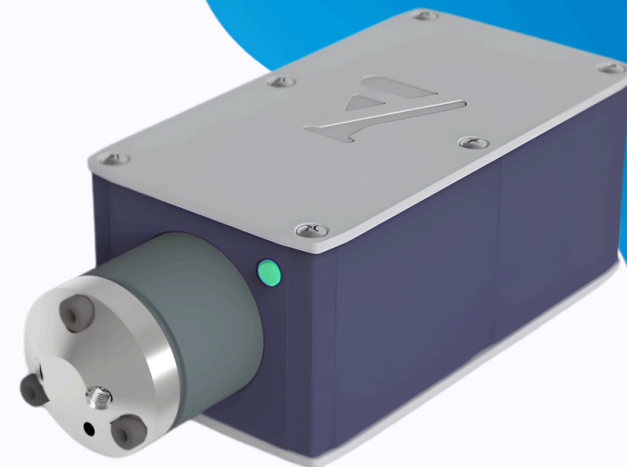
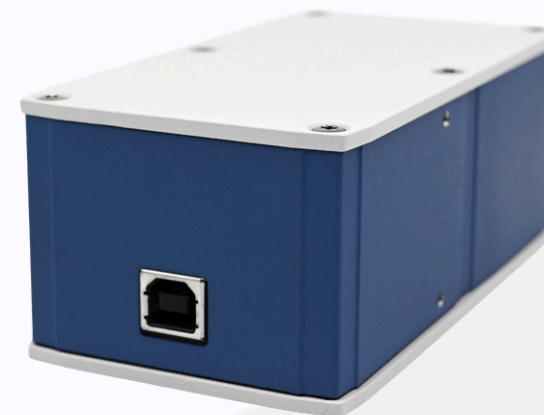
Contact with liquid
SS316, PTFE, PEEK, UHMW

Pressure Accuracy
±1 psi

Speed Accuracy
1% of full-scale

Power Requirements
24 VDC

 2.48 × 2.05 × 5.71 in
 1.35 lb



SCAN HERE

Alltesta™ Mini Switching Valve

Our High-Pressure Switching Valve **Expands Opportunities**

The Alltesta™ Mini Switching Valve offers versatility and convenience for laboratory fluid management applications. It features flexible flow switching at varying flow rates and can be used independently or as part of the Alltesta™ Analyzer or Alltesta™ Autosampler.

With customizable options, including up to 10 available ports on the stator, the valve can be tailored to specific needs. It is built to handle pressures up to 5000 psi (345 bar) and boasts a fast 60 degree switch time of 200 milliseconds.

Pressure

5000 psi (345 bar)

Switching speed

For 60 degree: 200 ms

Valve options

6×2, 7×6, 10×9, 7×6*, 6×2*

*other rotor

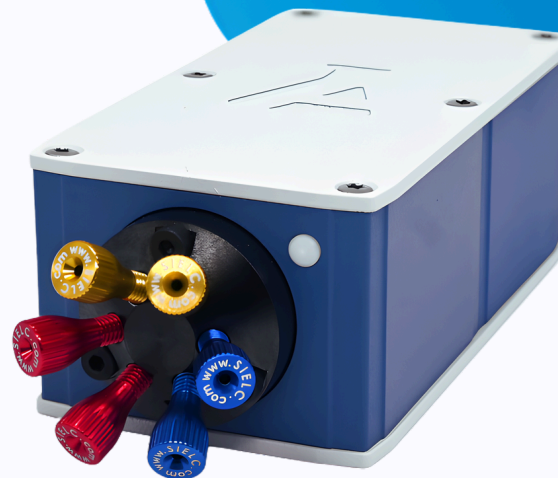
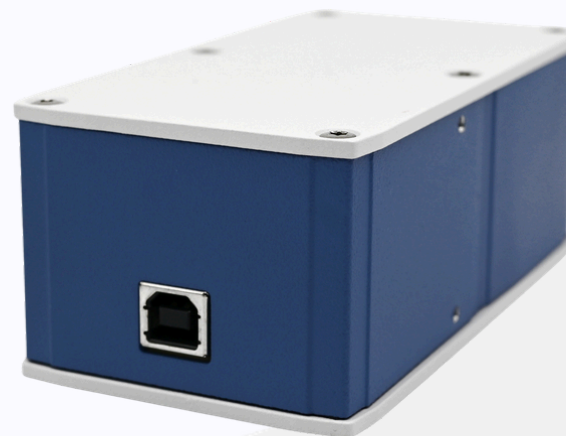
Power requirements

24 V

Contact with liquid

SS316, Vespel®, PTFE, PEEK

2.5 x 1.8 x 4.6 inc
0.95 lb



SCAN HERE

Alltesta™ Mini Liquid Handling Station



6.3 x 5.7 x 7.7 inc

5.0 lb

The Liquid Handling Station **Seamless Sample** Processing

The Alltesta™ Mini Liquid Handling Station (LHS) is a compact, cost-effective solution for automating sample handling in labs. Designed for easy integration, it offers efficient, customizable liquid handling with its patented mechanical structure and adjustable speeds.

The LHS includes in-vial sample mixing, a needle washing station for four solvents, and OEM customization options like custom needle lengths and trays. It also supports comprehensive software integration for smooth operation.



Needle Wash
Inside and Outside

Plate
48, 54, 96, 384 vials

Power
24 V

Needle
36 mm, 46 mm



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Samplify™ Automated

The Automated System for **Precise, Contamination-Free Sampling**

The Samplify™ Automated Sampling System performs sampling from any closed or open liquid-containing system, including Reactor setups with high pressure, high temperatures, or other extreme and hazardous conditions, without the need for operator intervention. It automatically collects samples at specified time intervals, improving accuracy, safety, and time efficiency.

The Samplify™ reduces cross-contamination, prevents exposure to oxygen or moisture in anaerobic conditions, and enhances reproducibility.

Draw/refill rates

Up to 48,000 $\mu\text{L}/\text{min}$

Plate

48, 54, 96 vials

Contact with liquid

SS314, PTFE, PEEK

Syringe Volume

4000 μL

Variable sample volume

From 5 to 500 μL

6.3 x 5.7 x 7.7 inc
5.0 lb



Samplify™ Automated



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Your account is reachable **by any** internet ready device

The web-application www.hplc.cloud solves the problem of instrument control and data handling.

Run injections and sequences, record chromatograms, integrate peaks, and quantify compounds.

By connecting instruments directly to a secure cloud server, the software provides a centralized and flexible solution for managing HPLC operations.

Cloud Platform

Access data from anywhere in the world

Secure

Secure storage of methods and results

Collaboration

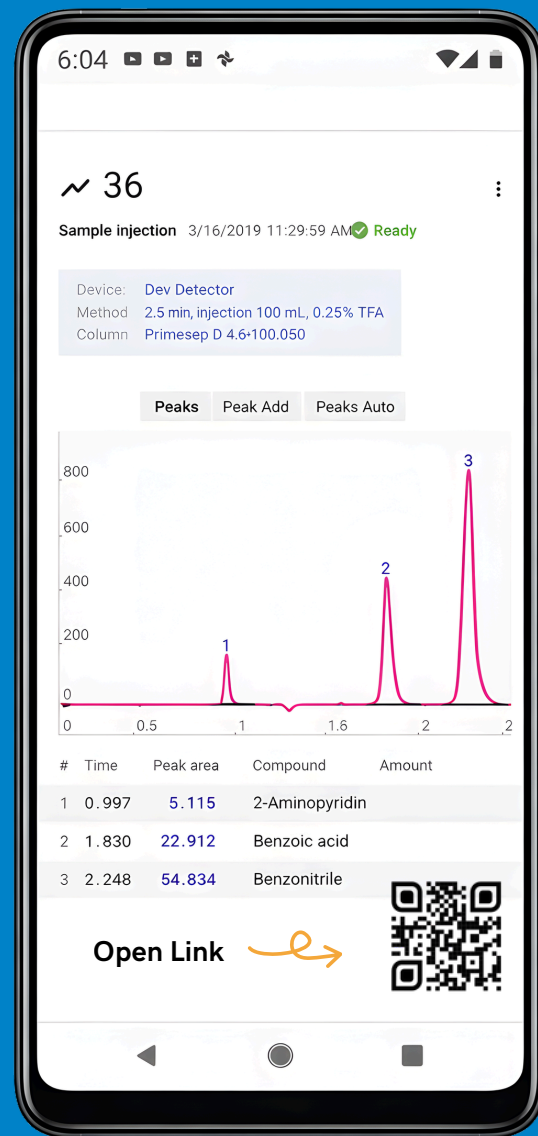
Ability to share data and methods with colleagues

Data Processing

Includes powerful tools for interpreting and visualizing results

Method Management

Remotely develop, store, apply and share analysis methods





Method development

At SIELC Technologies, with over 20 years of expertise and more than 1,390 methods developed, we specialize in solving the toughest separation challenges for polar, hydrophobic, multicharged, and other complex compounds.

Our FREE method development service is designed to help you achieve optimal separation, no matter how difficult your analysis may be.

How It Works:

1. Tell Us About Your Sample - Share the details of your analytes and any specific separation issues you're facing.
2. We Develop a Tailored Method - Leveraging our expertise and proprietary columns, we design a custom method to address your unique requirements.
3. Achieve Consistent, High-Quality Results - With your new method in hand, you'll experience reliable separations you can trust every time.

Ready to Get Started?

Simply fill out the form to start your free method development. We're here to help you achieve the best results.





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