

A revolutionary, compact and flexible benchtop solution for gravimetric solid dispensing

CRYSTAL SWILE



Unique matrix-to-matrix/ mother-to-daughter approach to dispensing for your laboratory.

Solution overview

Chemspeed's Crystal Swile is a revolutionary, fully automated and compact benchtop solution for solid matrix-to-matrix reformatting, which allows to optimize the sample preparation and to grant the maximum flexibility in handling multiple solids, with accurate dosing / reformatting minimal quantities of substances directly into microplates

Crystal Swile software supports fully unattended sample preparation. It enables quick execution, monitoring and automated logging of data. The native ARKSUITE integration allows data, inventory, product and run management. Web and mobile access is available for remote configuration and system status.

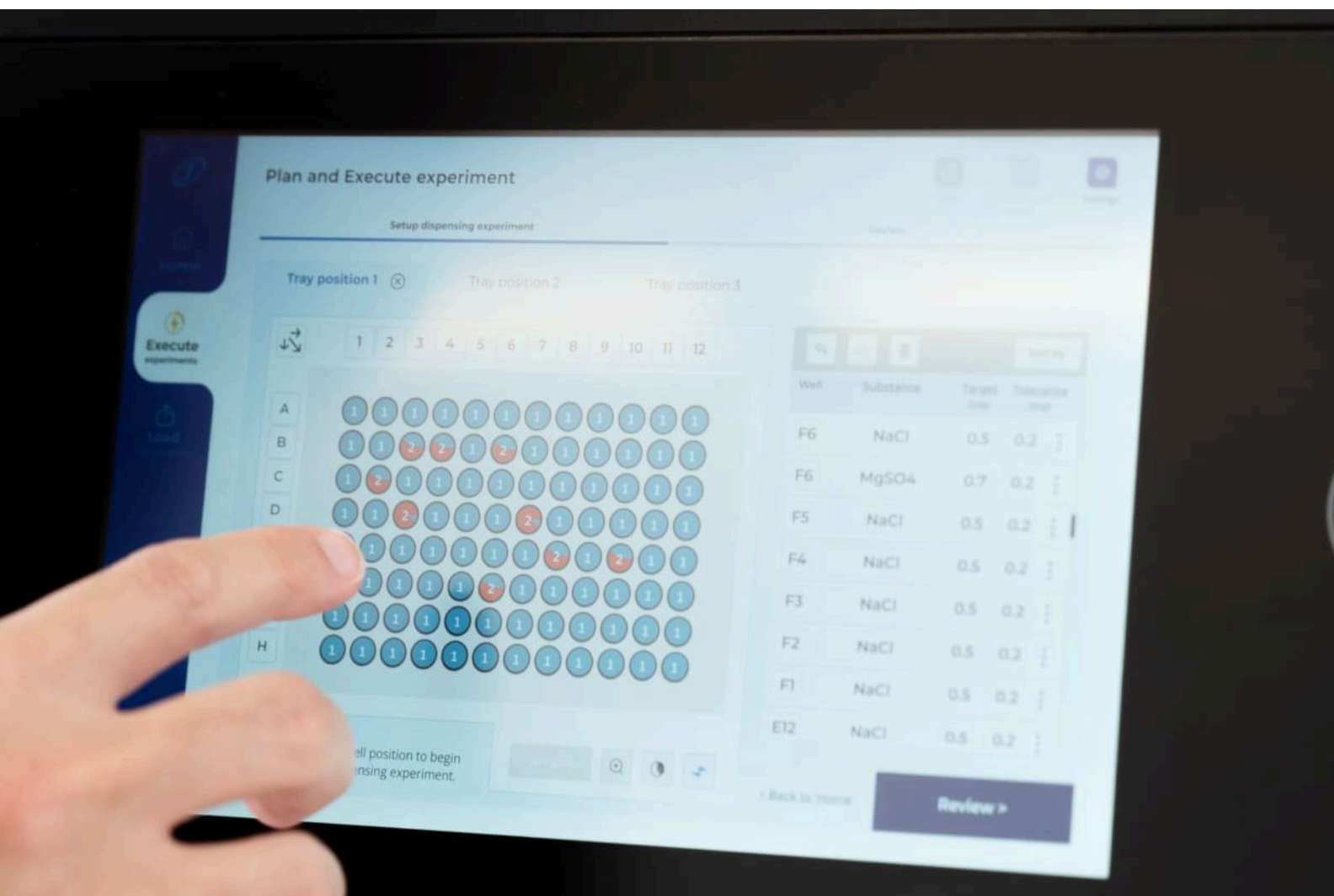
- Easy-to-use GUI
- Export the data in various formats
- Real-time dispensing data
- Intuitive programming
- Connect to 3rd party software
- Multi-language

Key advantages & features

- Increased efficiency
- Enhanced traceability
- Optimized costs
- Increased flexibility
- Automated opening / closing for e.g. autonomous lab solutions
- Integrate with 3rd party automation
- Integrate with LIMS / ELN

Specifications

Compound type	Solids and powders
Powder distribution	Container-to-one; Container-to-many (MTP)
Technology	Direct gravimetric pick & dispense unit for solids and powders
Balance resolution	10 μg
Dispensing range	100's μg to about 5 mg
Dispensing precision	Down to: 1%
Dead volume	None
Dispensing tips / volume	Disposable pick & dispense pipets (SWINs)
Dispensing tips / volume	SWIN 300 μg (Range: 100-500 μg), SWIN 600 μg (Range: 200-1000 μg), SWIN 2000 μg (Range: 500-2000 μg), SWIN 5000 μg (Range: 1000-5000 μg)
Key Features	Revolutionary accuracy & precision due to decision dispensing
Dispensing tips / volume	No



Accelerating your existing workflows

This example solution showcases one possible workflow using Chemspeed's technologies, but the possibilities are almost endless. Building your ideal platform has never been simpler with Chemspeed. From powder dispensing to chromatography, our configurable solutions are modular and constructed to suit your exact needs.

Combine a Chemspeed base platform, robotic tools from our extensive library, reactors, vessels, racks, vials and software to create a system that compliments and enhances your workflow.



Platforms

House your chemistry instrumentation in a solid platform. The nature of your project will decide the scale of system you require. Chemspeed offer three highly-versatile platforms as the basis for every possible instrumentation to be housed in: SWING, FLEX and FLEXSHUTTLE.



Tools

Chemspeed's extensive tool library contains more than 70 robotic tool-features that can be integrated with Chemspeed's unique robotic tool exchange technology, including unrivalled overhead gravimetric dispensing, which can operate while mixing, heating, refluxing and cooling. Virtually any combination of these robotic tools is possible.



Software

Quickly design, execute, analyze and report experiments with our AutoSuite software. Coordinate and orchestrate larger laboratory workflows with ArkSuite, or even digitalize your entire workflow, including manual tasks, using ArkSuite Sofia.

Automate and digitalize your laboratory with Chemspeed.

