

# Benchtop gravimetric solid dispensing for mg-g sample preparation

CRYSTAL POWDERDOSE



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A fully automated and compact benchtop solution which allows you to optimize and speed up your sample preparation workflow.

# Solution overview

Chempeed's CRYSTAL POWDERDOSE is a fully automated solution for solid / powder dispensing within a compact benchtop footprint, 45 cm x 45 cm.

Crystal Powderdose 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.

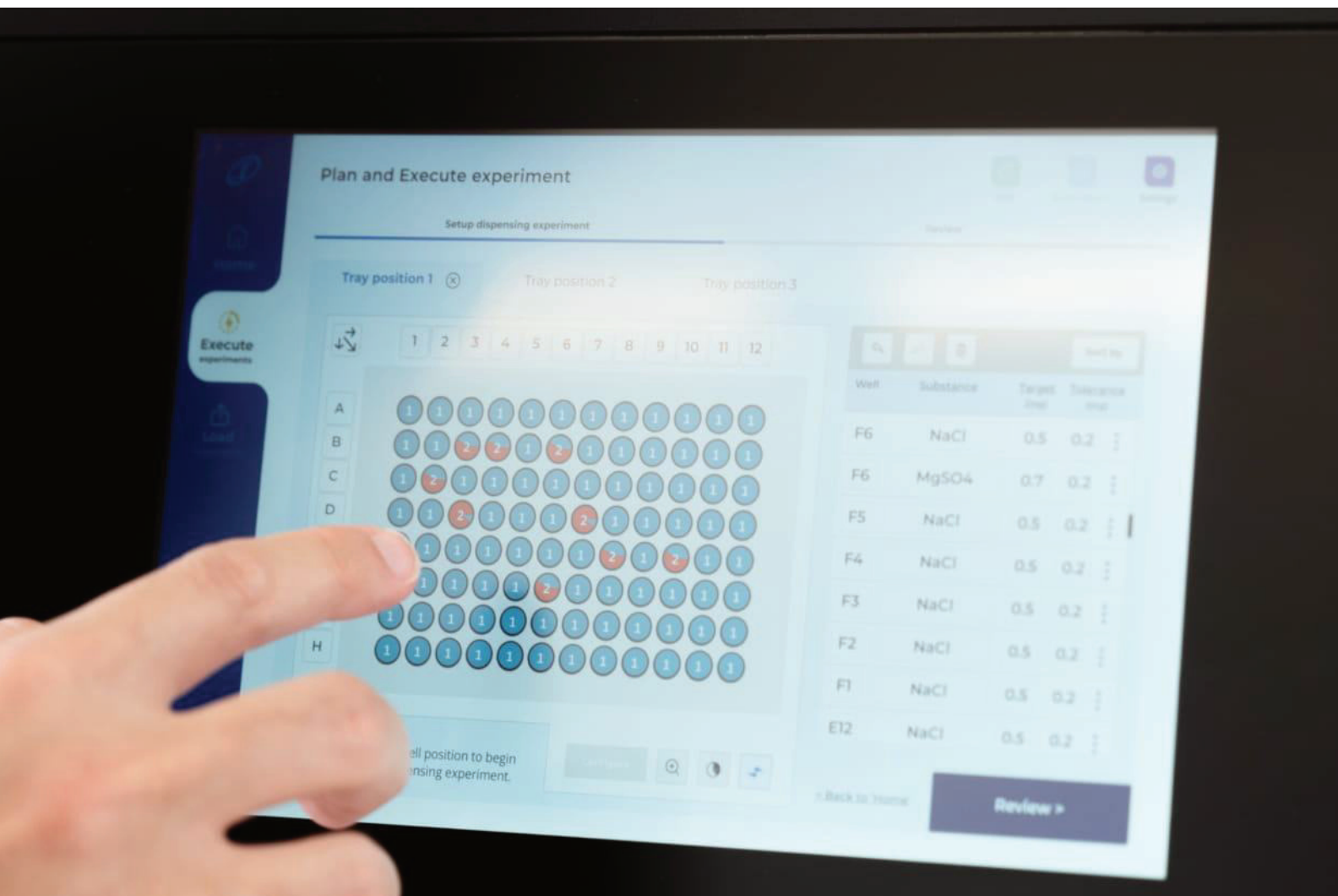
- Easy-to-use GUI
- Export the data in various formats
- Real-time dispensing data
- Intuitive programming
- Connect to 3rd party software
- Multi-language

## Key advantages & features

- Direct dispensing to your target labware
- Increased by providing walk-away time
- Enhanced traceability
- Gradient and incremental value dispensing
- Ioniser to reduce static charge
- Integration into a larger automated workflow

# Specifications

Compound type	Solids and powders
Powder distribution	One-to-one; many-to-one; many-to-many
Technology	Direct gravimetric fine dispensing unit for solids and powders
Balance resolution	0.01 mg
Dispensing range	1 mg to 20 g
Dispensing container	20mL
Available wellplates	6 (2×3), 12 (3×4), 24 (4×6), 48 (6×8), 96 (8×12)



## 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.

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## Automate and digitalize your laboratory with Chemspeed.

