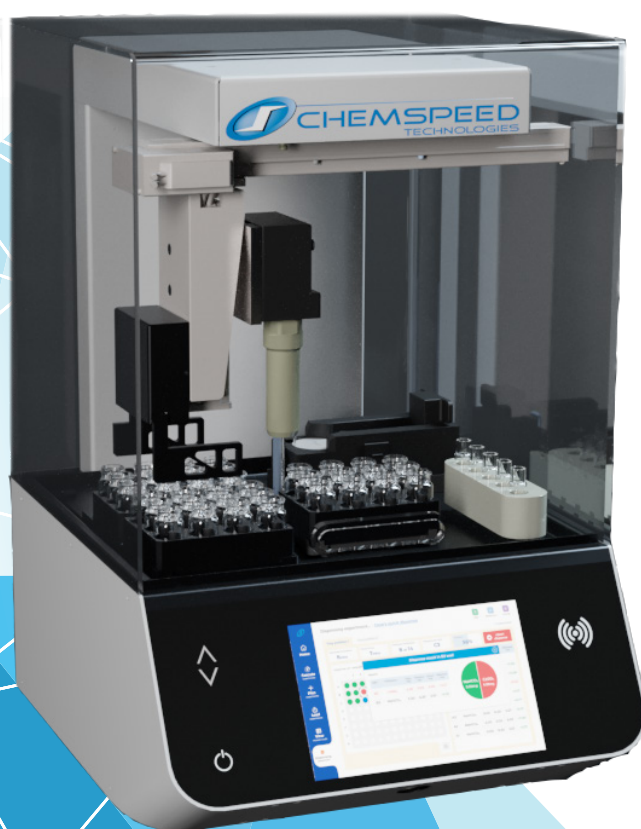


CRYSTAL SWILE

Gravimetric solid dispensing through unique matrix-to-matrix/
mother-to-daughter approach in a revolutionary, compact and flexible
benchtop solution



CHEMSPEED IS TAKING THEIR SOLID DOSING TECHNOLOGY TO NEW LEVELS OF FLEXIBILITY AND COMPACTNESS

CRYSTAL SWILE is a revolutionary, fully automated and compact benchtop solution, which allows to optimize the sample preparation and to grant the maximum flexibility in handling multiple solids, with accurate dosing minimal quantities of substances directly in microplates.

Increase efficiency

The “pick & dispense” function allows to automate repetitive and time-consuming tasks

Enhance traceability

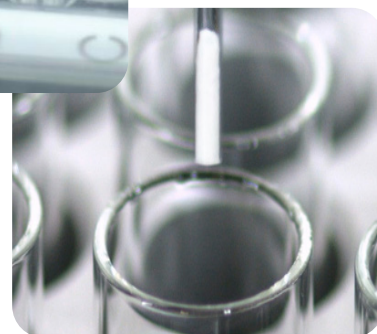
Easy-to-use software for consistent and trackable

Optimize costs

Optimized use of raw material and no risk of cross-contamination thanks disposable glass tips (SWIN dispenser)

Improve flexibility

Extremely reduced footprint and exchangeable containers to a vast range of destination (vials & multiplates) with a matrix-to-matrix / mother-to-daughter approach



EASY-TO-USE SOFTWARE - NEXT GENERATION TOUCH USER INTERFACE

CRYSTAL 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, and give access to a wide substance parameter database. 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

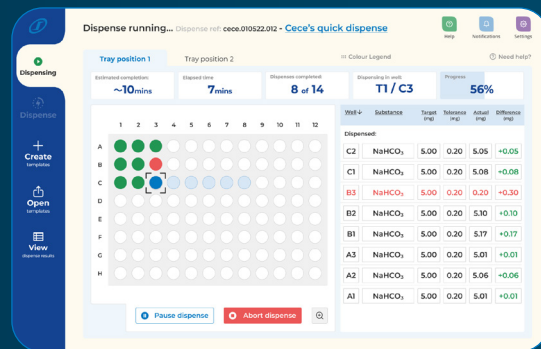
Multi-language

The most compact and fully automated benchtop solution with a footprint of 45 x 45 cm!



Direct gravimetric fine dispensing unit for solids and powders

End users load solids
press go and walk away!



Dispense overview

DISPENSING CHARACTERISTICS

Compound type	Solids and powders
Powder distribution	Container-to-one; Container-to-many (MTP)
Technology	Direct gravimetric pick & decision dispensing unit for solids and powders
Balance resolution	10 µg
Dispensing range (mass range)	0.1 mg to 5 mg
Dispensing precision	Down to: 1%
Dead-volume	None
Dispensing tips / volume	Disposable pick & dispense pipets (SWINs)
Available SWINs	SWIN 600 ug (Range: 200-1000 ug) SWIN 300 ug (Range: 100-500 ug) SWIN 50 ug (Range: 50-200 ug) SWIN 20 ug (Range: 20-100 ug)
Key features	Revolutionary accuracy & precision due to decision dispensing
Cross contamination	No

SELECTION OF OPTIONAL FEATURES

The CRYSTAL SWILE can be equipped with additional unit operations to increase capabilities:

- Automated opening / closing for e.g. autonomous lab solutions
- Ionizer to reduce static charge
- Camera for pick amount assessment and subsequent auto-adjustment



At Chemspeed Technologies AG, our mission is to enable the innovation and sustainability of tomorrow through gamification, augmented reality, digitization, automation and robotics. As a global market leader, our solutions accelerate future developments such as novel medicines and materials, for example, batteries, photovoltaics and cosmetics, in a wide range of chemical research fields and quality control. With over 20 years of experience and a global footprint, we continuously grow and look for you to be part of this success story.

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