

Solids Dispenser **SDB-1RS**

01

The bench-top **Solids Dispenser SDB-1RS** is a automated version of the SDB-1 doser for processing of wellplates. It is operated via touch screen controller which synchronises dosing and moving of the wellplate from position to position.

This solution increases productivity by allowing for “walk-away” time of lab operators. It alleviates tedious repetitive tasks and improves productivity and process quality.

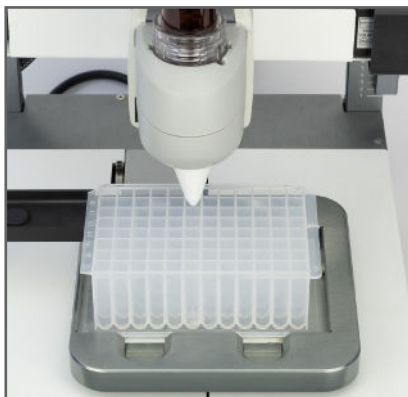


Workflow

- Wellplates are inserted in the carrier.
- Dispensing process is started from touchscreen controller and can be paused / restarted at each moment. Remote start and integration in workcell enabled.
- Settings for 24 / 48 / 96 or even custom wellplates and vial racks can be entered. Instant switching between different configurations.

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Features

- Integrates SDB-1 Dispenser with full functionality
- Pause/Start/Pause after action/Restart function
- Multiple dose dispensing (up to 99x repeat shots per container)
- Custom tube / vial rack configuration:
 - Number of wells/tubes/vials along X- Y-axis
 - Spacing between adjacent wells/tubes/vials along X - Y-axis
 - Index location for first well /tube/vial
 - Skipped positions
 - Ten configurations can be saved and named
- Password protected configurations and settings
- Pause / Resume function
- Z-axis "funnel dipping" to prevent spilling

Specifications

- Dosing cycle time: 4 sec. (including travel and z-axis "dipping")
- Volumetric dose sizes in the range of 2.3 mm^3 - 300 mm^3
(corresponds to dose of 5 mg to 300mg, depending on bulk density of material)
- Powder reservoirs 40 ml, 60 ml, 4oz
- Size: W 330mm x D 370mm x H 345mm
- Weight: 9 kg
- Power Supply switching: 115 V / 230 V
- Power rating: 350 W

