

HSS – High Speed Sorter

Pre- and post-analysis
automation by the module



AT A GLANCE

- ✓ Modular and customized
- ✓ Functional and robust
- ✓ Ergonomically designed



Customized solutions

Just as the laboratory landscape is diverse as a whole, so are the requirements for automation solutions in each individual laboratory in terms of functionality, throughput, size and costs.

Customized modular systems are the ideal solution. The redesigned High Speed Sorter – HSS offers exactly this.

NEW Gel-Check Function

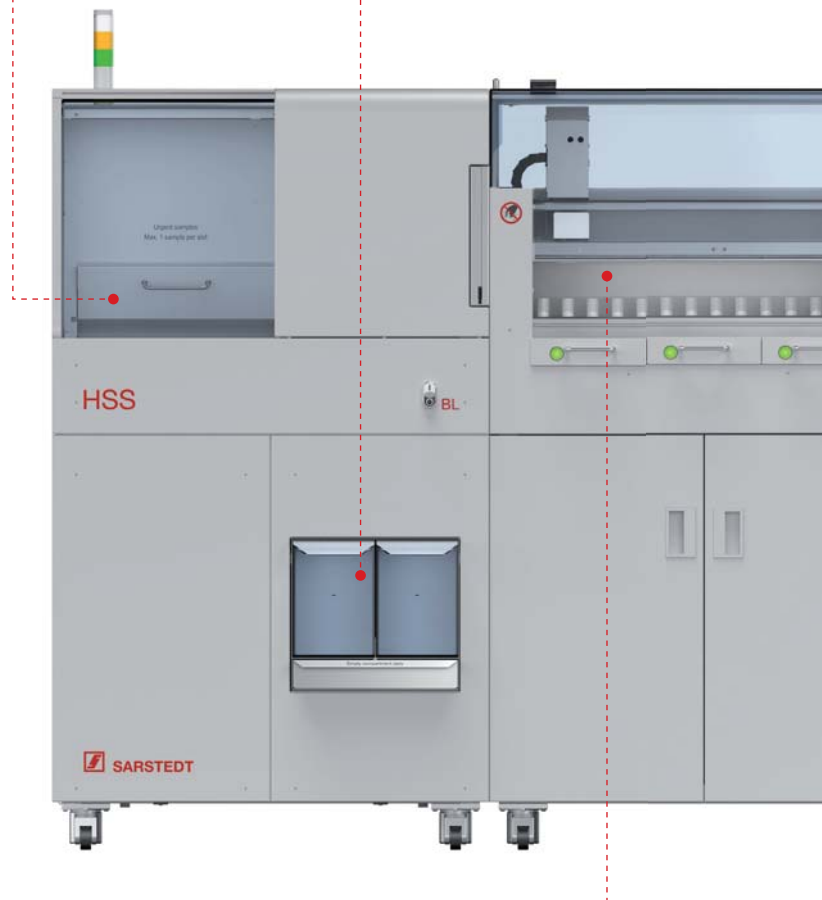
- Prevents recentrifugation of already centrifuged gel tubes
- No manual pre-sorting
- Minimizes the risk of incorrect analyses

NEW Sort Connect module

- Direct sample transfer to analysis line
- Process optimization by eliminating manual steps
- From stand-alone to system integration

Loading sample tubes from the chute (Bulk Loader)

- Tube transport system connection from TEMPUS600®
- Loosely fill sample tubes into chute or rapid sample compartment
- Two sort destinations in boxes



Sample tubes are loaded and unloaded in the rack (IO module)

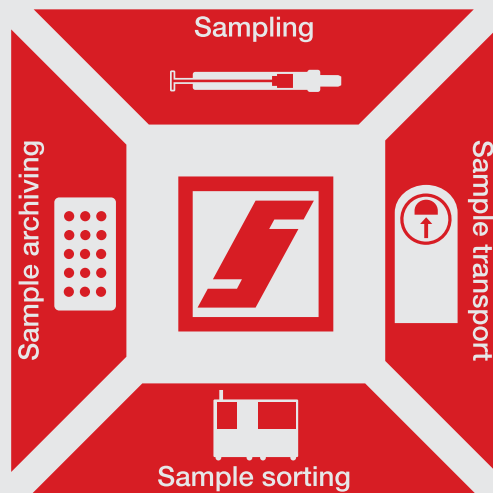
- Closed or open
- Laboratory-specific layout

Pre-analytical workflow

SARSTEDT has set for itself the task of providing product solutions and systems for each sub-process of the pre- and post-analysis phase, i.e., from sampling through transport, sample receipt and distribution in the laboratory, to storage after analysis.

Decades of experience enable the company to offer medical laboratories an exceptionally comprehensive product range for the entire workflow.

Laboratory automation systems such as the High Speed Sorter are an essential part of the overall concept.



ID module / **NEW** Gel-Check Function

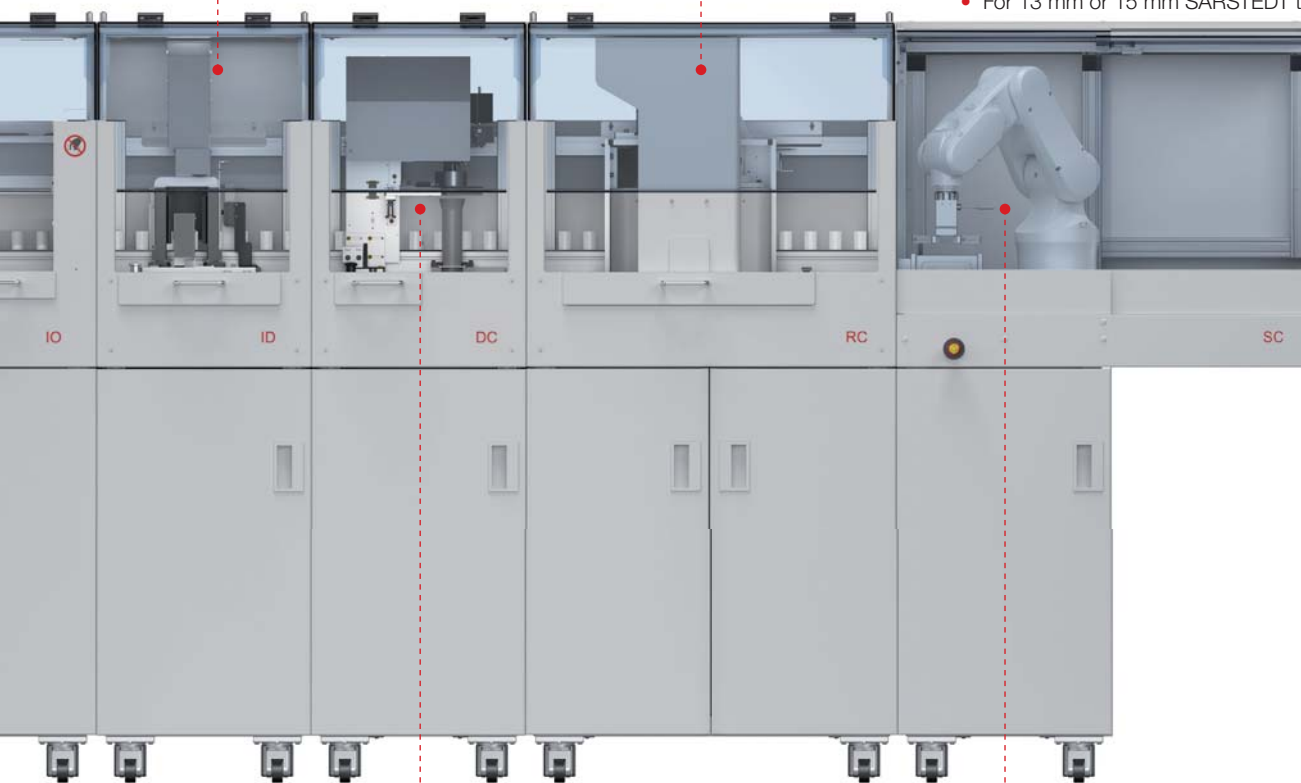
- Read barcode, determine tube type
- Identify centrifugation status

Recapper module (stopper)

- Protection against evaporation
- Single format for tubes 13-16 mm in diameter

Alternatively: Recapper module (screw cap)

- Tubes securely closed for shipping and long-term archive
- For 13 mm or 15 mm SARSTEDT tubes



Decapper module

- Removes screw caps and stoppers from most manufacturers
- No pre-sorting, no carry-over

NEW SORT CONNECT module

- Direct sample transfer to laboratory line
- From stand-alone to analytical line integration

AVAILABLE MODULES IN THE SYSTEM

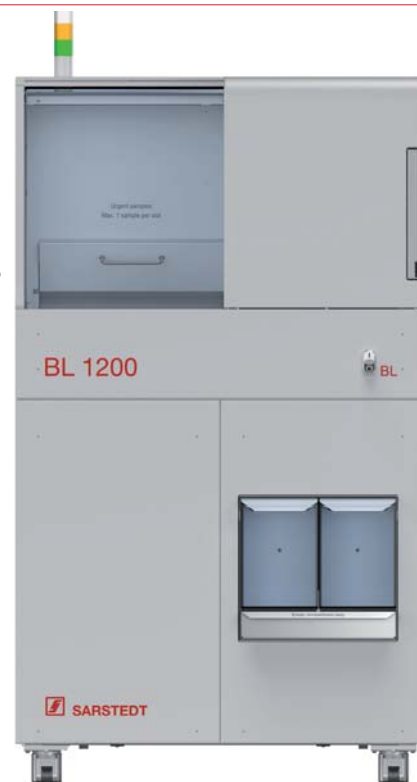
Requirements for laboratory automation depend on the desired range of functions, the required system capacity and, last but not least, the spatial conditions. The modular system from SARSTEDT offers the ability to assemble a system according to requirements and configure it in a laboratory specific manner compatible with existing analytical systems. Ask about additional functions coming soon.

BL module

88 x 76 x 153 cm (W x D x H)

Bulk loader

Time-saving loading of sealed tubes without pre-sorting or pre-racking. Input for tube transport systems (e.g. TEMPUS600®). Integrated ID module for tube type recognition (cap color, shape and geometry), as well as determination of centrifugation status (Gel-Check).



DC module

43 x 76 x 153 cm (W x D x H)

Decapper

Removes screw caps or stoppers from sample tubes regardless of their geometry to prepare for analysis. Aerosols and cross-contamination are avoided.

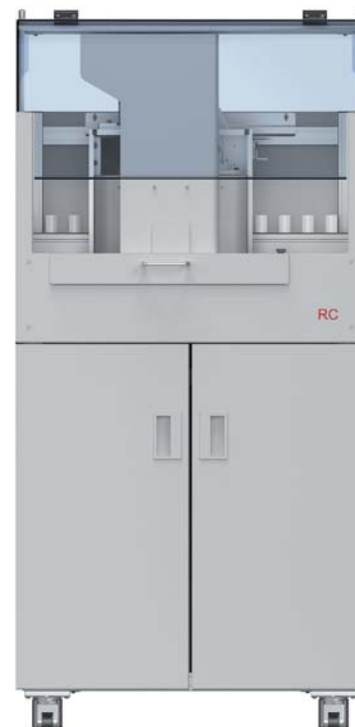


RC module

75 x 76 x 153 cm (W x D x H)

Recapper stopper

Closes tubes (13–16 mm diameter) with universal stoppers to protect against evaporation.



IO module

87 x 76 x 153 cm (W x D x H)

Rack Loader/Sorter

Loading and unloading of open and closed tubes. Sorting from source racks into target racks. Layout can be easily changed with FlexPlates. Multiple modules can be combined.



ID module

43 x 76 x 153 cm (W x D x H)

Identification, tube type and centrifugation status

Identify samples, recognize tube type (cap color, shape and geometry) via camera and optionally determine the centrifugation status via Gel-Check. This provides important information for further processing.

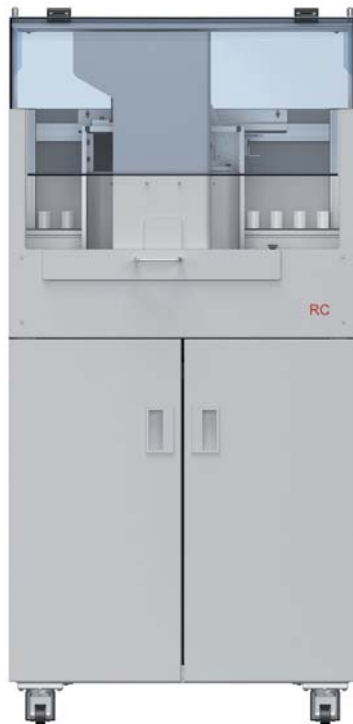


RC module

75 x 76 x 153 cm (W x D x H)

Screw cap

Sealing of tubes (13 mm or 15 mm) with screw cap for transport or long-term archive.



SC module

83 x 76 x 153 cm (W x D x H)

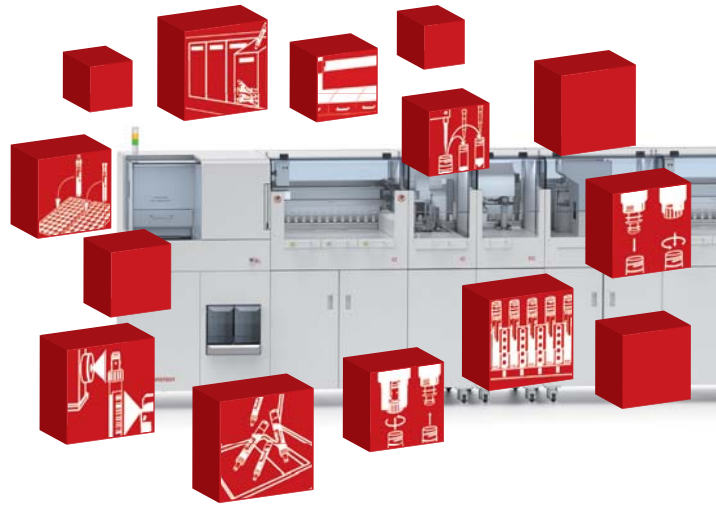
SORT CONNECT

SORT CONNECT enables the HSS to connect to the laboratory line. Manual transfer of single tubes or racks is not necessary. The workflow is consistent and continuous.



ADAPTABLE AND SCALABLE

- ✓ Scalable according to required functions of the modular system
- ✓ Can be placed against the wall for optimum use of laboratory space
- ✓ Customized deck layouts adapted to existing analyzers



HSS (BL-IO-ID-DC-RC-IO)



HSS (IO-ID-DC-RC-IO)

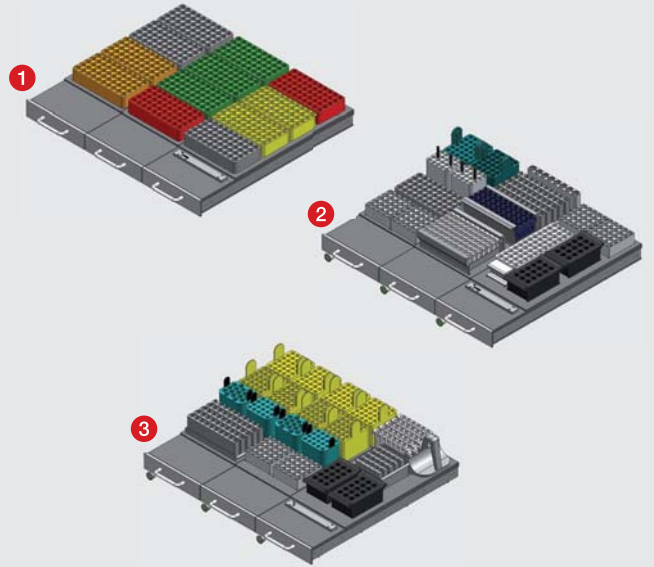


HSS (IO-ID-DC-IO)



Examples of deck layouts

- Triple drawer:
SARSTEDT D17 Rack ①
- Triple drawer:
Hettich (5x6), Kendro (4x5), D17, D11-16, Sysmex,
Beckman (Dxl), Abbott (Architect), Inpeco (4x12),
Siemens (Atellica) ②
- Triple drawer:
Hettich (5x6), Hettich (4x5) Hettich (17), Sysmex, D11-16,
Abbott (Alinity), Roche (Hitachi), Siemens (Atellica) ③



BL 1200 (BL-IO-IO-SC)



BL 1200 (BL-DC-IO)



BL 1200 (BL-IO)



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If you have any questions:
We'd be happy to help!

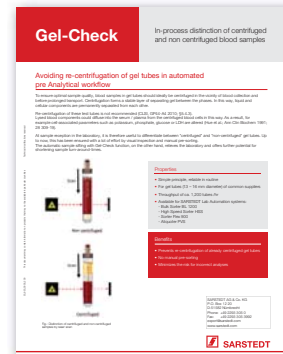
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