

HSS – High Speed Sorter

Pre- and post-analysis
by the module



AT A GLANCE

- ✓ Modular and tailored
- ✓ 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.

Perfect if a system can be assembled from the "modular system" as desired. The new concept for the High Speed Sorter – HSS offers exactly this.

NEW Gel-Check

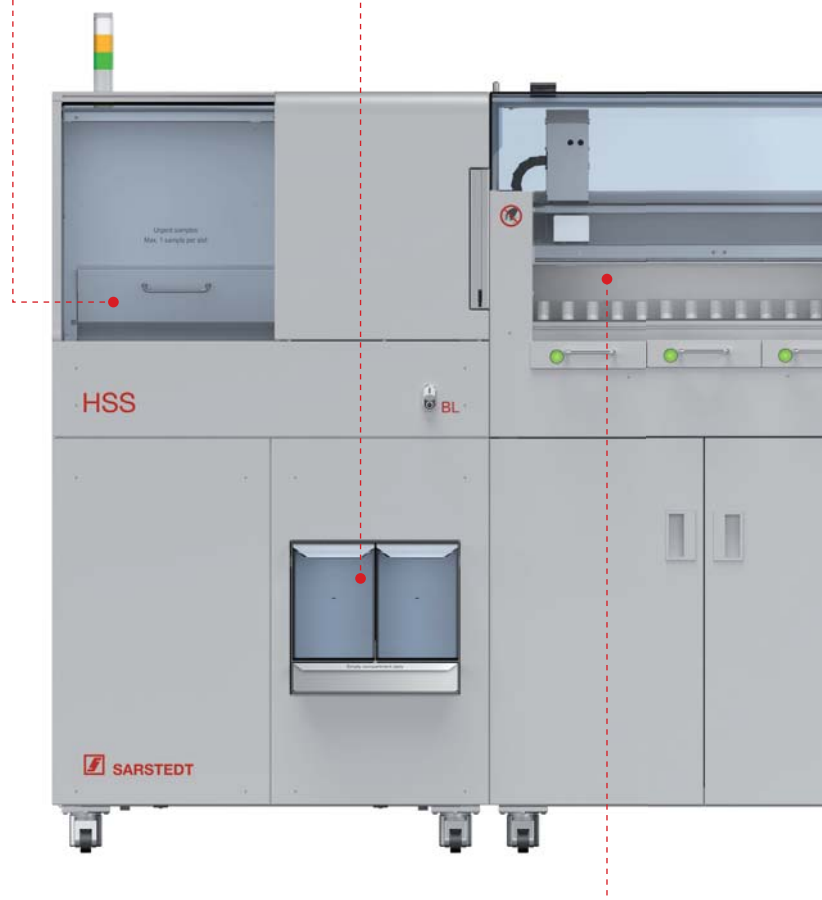
- Prevents recentrifugation of already centrifuged gel tubes
- No manual presorting
- Minimise the risk of incorrect analyses

NEW Sort Connect module

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

Loading sample tubes from the chute (Bulk Loader)

- Tube transport system connection TEMPUS600® prepared
- Loosely fill sample tubes into chute or STAT sample compartment
- 2 Sort destinations in boxes



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

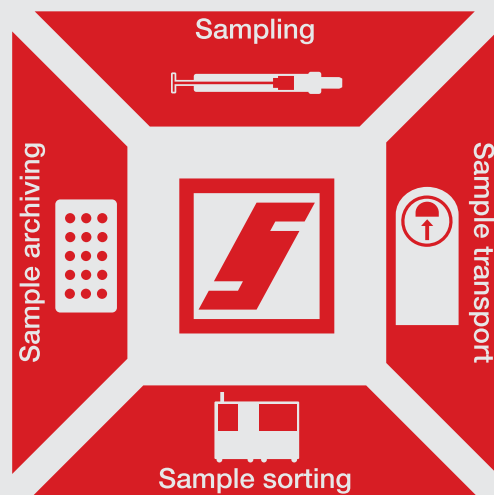
- Closed or open
- Laboratory-specific layout

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

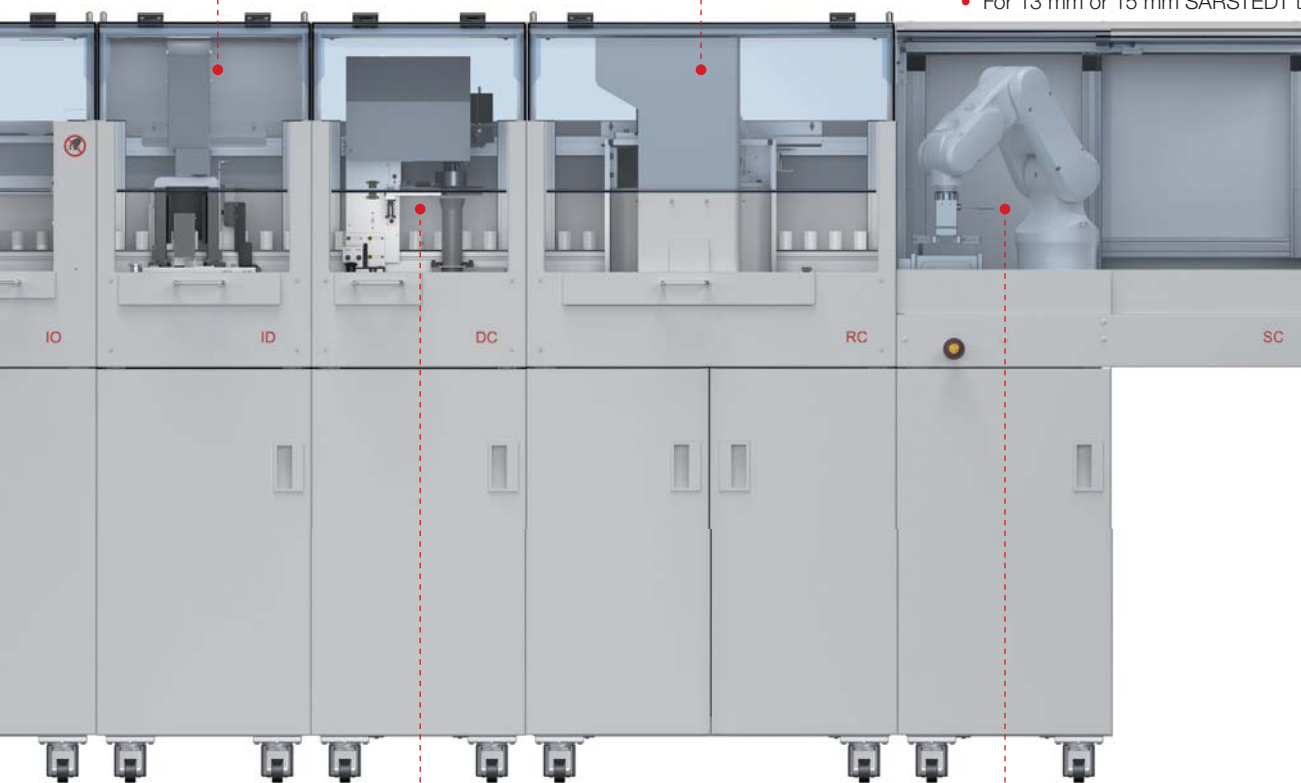
- Read barcode, determine tube type
- Recognise centrifugation status

Recapper module (stopper)

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

Alternatively: Recapper module (screw cap)

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



Decapper module

- Removes screw caps and plugs from different manufacturers
- No pre-sorting, no carry-over

NEW Sort Connect module

- Sample direct transfer in analysis line
- From stand-alone to system integration

MODULES IN THE MODULAR SYSTEM

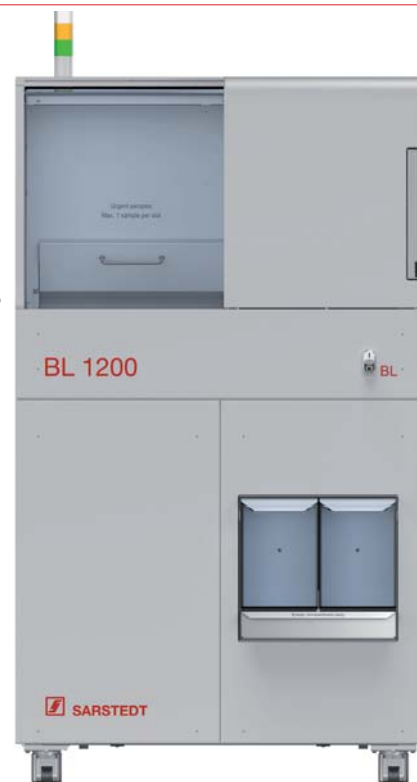
Requirements for laboratory automation depend on the desired range of functions, the required system capacity and, last but not least, the spatial conditions. The modular system from SARSTEDT offers the possibility of assembling a system according to requirements and configuring it in a laboratory-specific manner to match the existing analysis systems. Further functions are being prepared. Get informed.

BL module

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

Bulk loader

Time-saving feeding of closed tubes without pre-sorting and without prior insertion into racks. Input for tube transport systems (e.g. TEMPUS600®). Integrated ID module for tube type recognition (cap color, shape and geometry), as well as the determination of the centrifugation status (Gel-Check).



DC module

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

Decapper

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

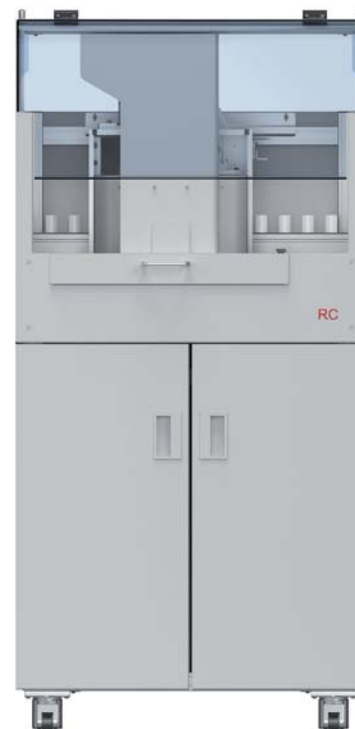


RC module

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

Recapper stopper

Closing of 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. Laboratory-specific layout of the drawers, modifiable via 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, recognise 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.

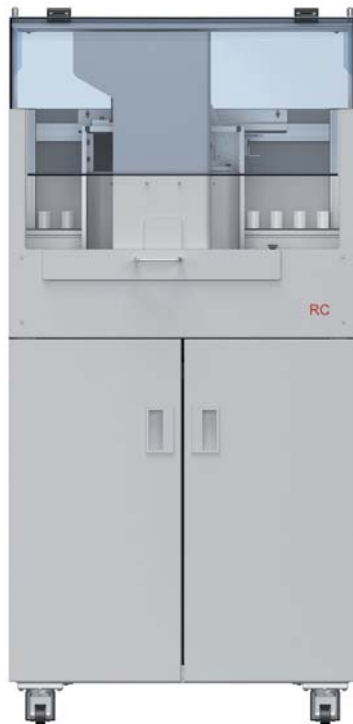


RC module

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)

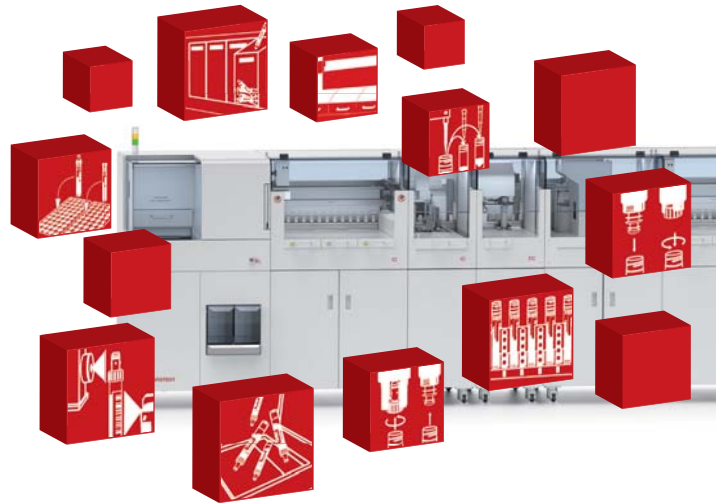
Sort Connect

Sort Connect enables the HSS to be connected to an analysis 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 from the modular system
- ✓ Optimum use of laboratory space through positioning close to the wall
- ✓ Customised deck layouts adapted to existing analyzers



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



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

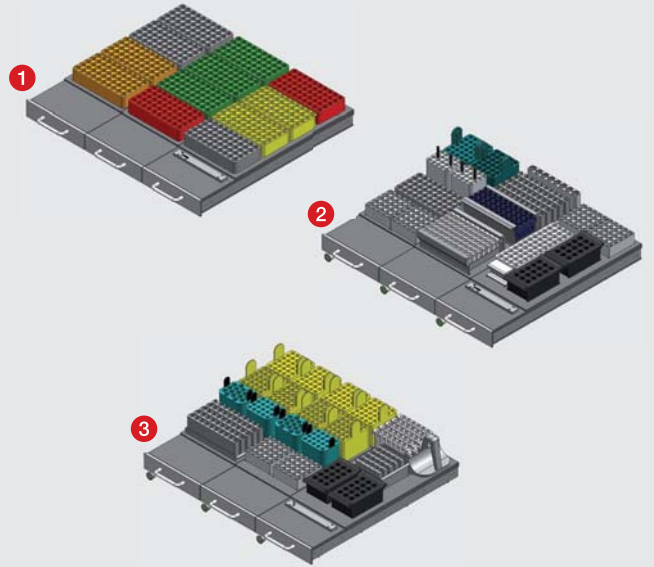


HSS (IO-ID-DC-IO)



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!

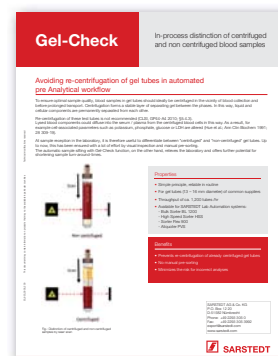
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