

To make your
workflow excellent.



Employee of the month

The High Speed Sorter – My new high-speed colleague



Laboratory Automation

Automatically more productive

Option to connect sample transport systems (e.g. Tempus1800®)

Bulk fill sample tubes in chutes or the urgent sample compartment – no inserting or presorting

Gel-Check – prevents recentrifugation and minimizes the risk of incorrect analyses

Load and unload sample tubes in the rack

Read barcode, determine tube type

Loop function – automatic sample feeding into the chute of the bulk loader if no order for the tubes has been registered yet

HSS

BL

IO

ID

 SARSTEDT

Sample loading

Sample identification/Gel-Check

The **High Speed Sorter** automates your pre- and post-analytics. This creates time for other things.

Open screw caps and stoppers regardless of manufacturer

Seal tubes for transport and long-term archiving

Send tubes to different areas of the laboratory using Tempus1800® sending units

Sample sorting in racks (closed or open)



Decapping

Aliquoting

Recapping

Sorting/distributing/archiving

Welcome to the team!

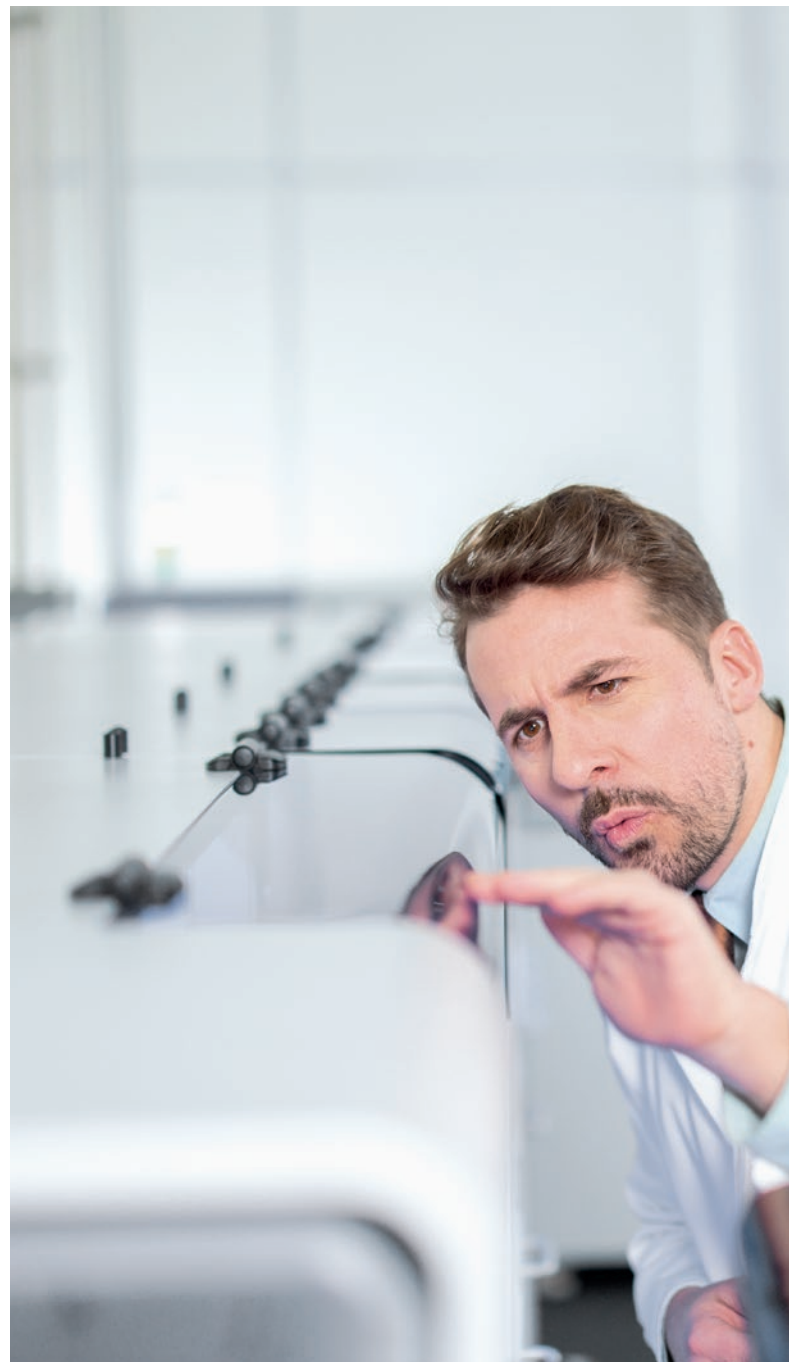
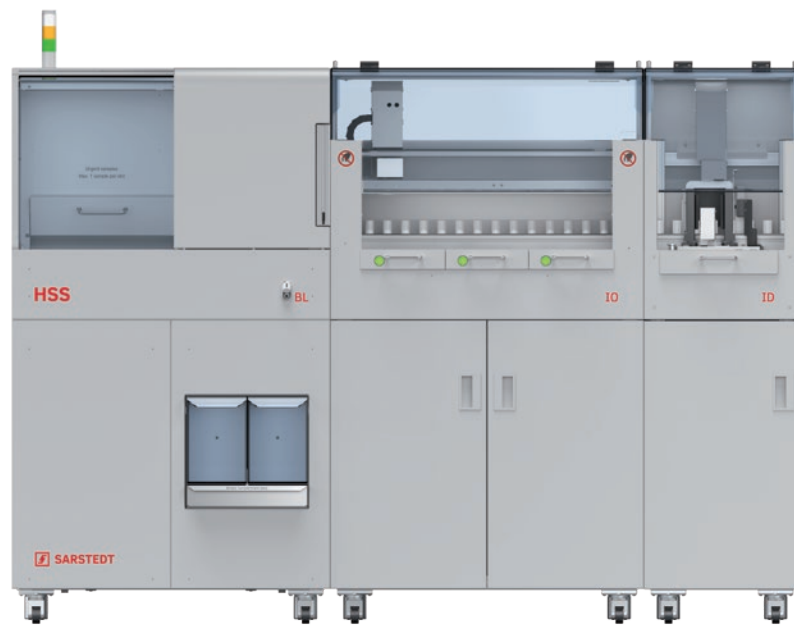
The automation solution for your workflow is just as personalized as your laboratory and your day-to-day requirements and challenges.

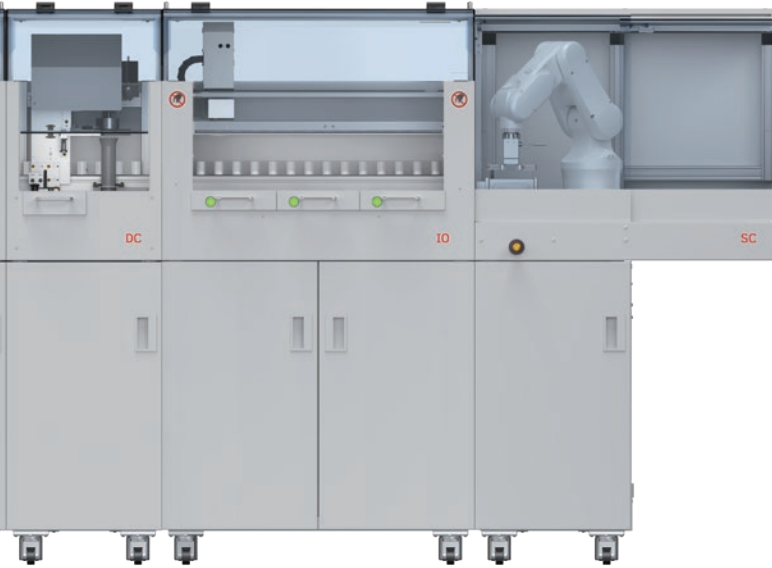
Every laboratory has to face new conditions and ask itself the following questions:

- How do we want to deal with limited resources?
- Which simple work processes can be automated and therefore optimized?
- What sample throughput will this allow us to achieve?
- Which functions are absolutely necessary for us?
- Comparing this with our current situation: which analyzers do we use and how much space do we have in our laboratory?

The modular design of the HSS (**H**igh **S**peed **S**orter) by SARSTEDT offers you the opportunity to create a solution precisely tailored to suit your needs.

Let's talk about your pre-analytical workflow.





- **Modular customization** to suit the individual requirements of your laboratory
- **Space efficient** – Optimal use of the available floor space (can be positioned close to walls)
- **Customized platform layouts** – tailored to your analyzers

Automate your pre-analytics

- Sample loading
- Connection to a sample transport system (e.g. Tempus1800®)
- Centrifugation status determination
- Sample identification
- Decapping
- Aliquoting
- Recapping
- Sorting
- Distributing
- Transfer to analyzer platforms
- Archiving
- NEW: Sample transport with Tempus1800®

Choose the best configuration for your laboratory

With the HSS system, SARSTEDT offers you customer-specific customizable automation solutions for your pre-analytics.

Take the strain off your employees

The HSS system allows relatively simple tasks and non-value creating activities, such as inserting and pre-sorting samples or opening and closing sample tubes, to be efficiently automated. This saves work for your employees who are overqualified for these tasks.

Optimize your processes

Heavy competition and cost pressure as well as limited personnel capacity means automating pre-analytical laboratory processes is particularly effective.

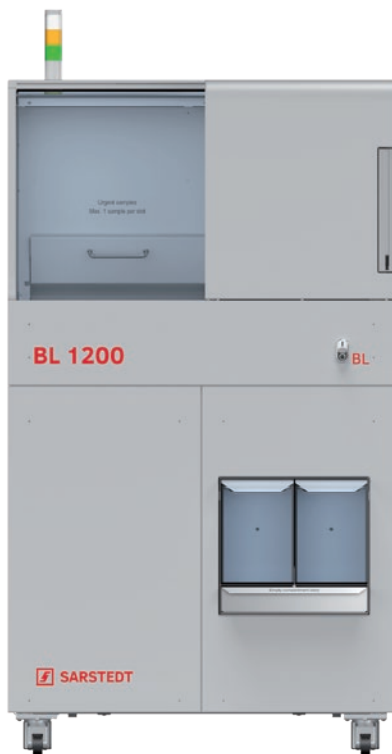


Learn more about the
High Speed Sorter

hss.sarstedt.com

More than the sum of its parts

Plug & Play: Automated pre- and post-analytics with the HSS modular system



Bulk Loader module (BL)

Closed sample tubes are loaded manually into racks or automatically into chutes (Tempus1800®) without pre-sorting or insertion.

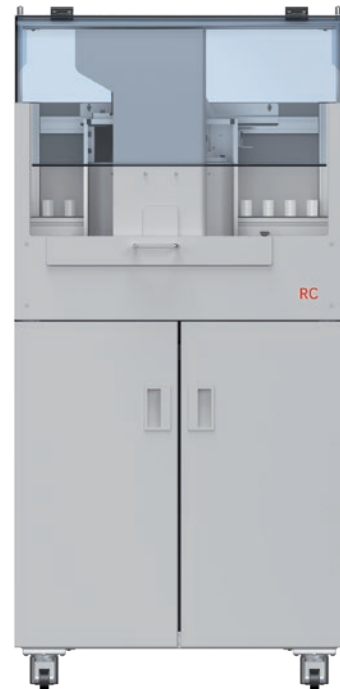
The Bulk Loader has an integrated ID module for identifying samples and determining their centrifugation status (Gel-Check).

Automatic sample loading into the chute has also been integrated.



Decapper module (DC)

The Decapper removes screw caps and stoppers from various manufacturers – no pre-sorting, no cross-contamination.



Recapper module (RC)

The Recapper is available in 3 versions: it closes sample tubes with a diameter of 13 to 16 mm using a universal stopper, thus preventing evaporation. Alternatively, SARSTEDT tubes with a diameter of 13 to 15 mm are closed with the appropriate screw cap for transport or long-term archiving.



Input/output module (IO)

The IO module allows open or closed sample tubes to be introduced into or ejected from the rack.

The platform layout is created specifically for each laboratory and, with its adapter plates (SARSTEDT FlexPlates), can be variably adjusted (e.g. to switch between routine and archive operation).

Up to two Tempus1800® sending units can be optionally integrated into the module. This allows tubes to be sent to different areas of the laboratory, eliminating the need for manual transport.



Identification module (ID)

The ID module identifies sample tubes from the barcode, determines the tube type (cap color, shape and geometry) and establishes the centrifugation status (Gel-Check).



Sort Connect module (SC)

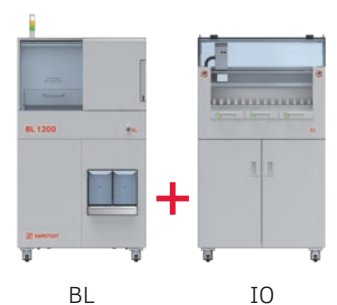
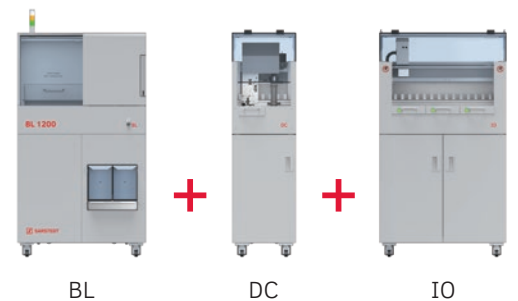
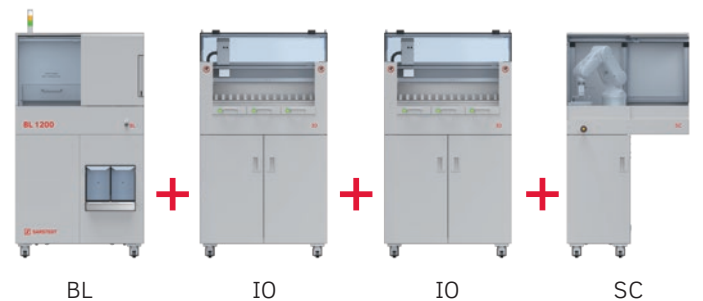
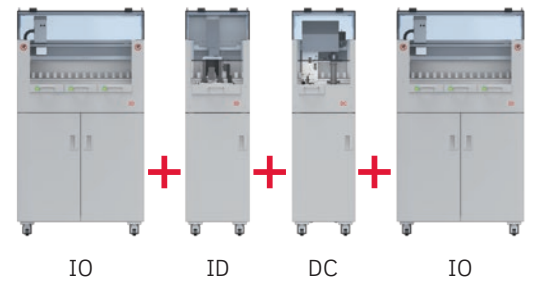
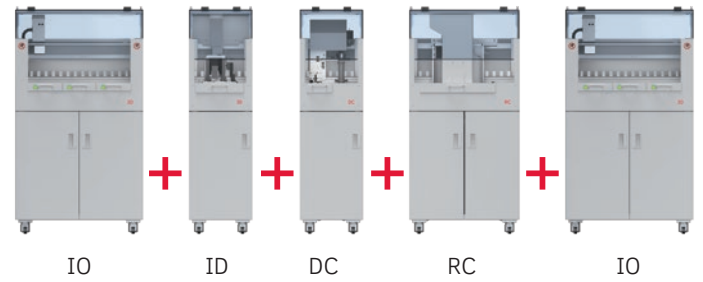
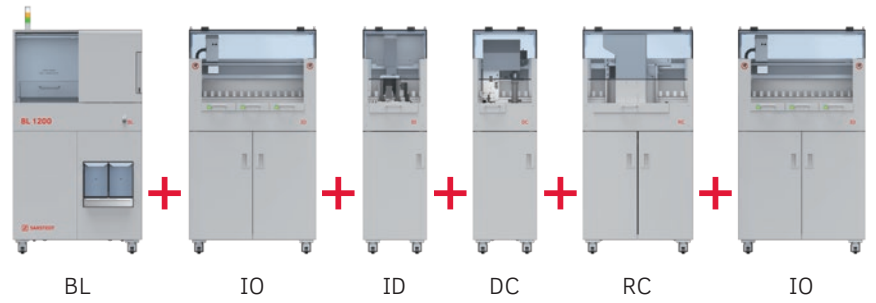
The Sort Connect module allows the HSS to be connected to an analysis platform (no need to manually transfer individual tubes or tubes in a rack).

Configure your HSS!

The modular concept allows for personalized configuration – tailor-made to suit your laboratory's needs.

Scope of functions, throughput, size, costs – the HSS laboratory automation system can also be individually resized retroactively.

Talk to us about your individual configuration.



Technical details and data sheets

hss.sarstedt.com/en/
#twdatenblaetter

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HSS – 6 modules

- Bulk packed sample loading
- Precise identification and sorting of non-centrifuged samples in centrifugation racks (Gel-Check)
- Loading after centrifugation in centrifugation or analysis racks
- Identification, selective opening and sorting
- Barcode alignment in analysis racks
- Selective closing with stoppers and archiving in racks
- Optional closing with screw caps

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HSS – 5 modules

- Loading in racks for registration/recording or precise aliquoting downstream
- Identification, selective opening and sorting
- Sorting/distribution into rack types from various manufacturers
- Barcode alignment in analysis racks
- Selective closing with stoppers and archiving in racks
- Optional closing with screw caps
- Optional sending of tubes with Tempus1800®

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HSS – 4 modules

- Loading in various racks for registration/recording or precise aliquoting downstream
- Identification, selective opening and sorting
- Sorting/distribution into rack types from various manufacturers
- Barcode alignment in analysis racks
- Archiving of open samples possible
- Optional sending of tubes with Tempus1800®

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BL1200 – 4 modules

- Bulk packed sample loading
- Precise identification and pre-sorting in analysis racks (e.g. hematology, coagulation, urine)
- Barcode alignment in analysis racks
- Precise identification and sorting of gel samples in centrifugation racks with balancing tubes and buffer function
- Automated transfer of centrifugation racks or individual tubes to analysis platform systems
- Optional sending of tubes with Tempus1800®

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BL1200 – 3 modules

- Bulk packed sample loading
- Identification of centrifuged samples (Gel-Check)
- Selective opening and sorting in analysis racks
- Barcode alignment in analysis racks
- Optional sending of tubes with Tempus1800®

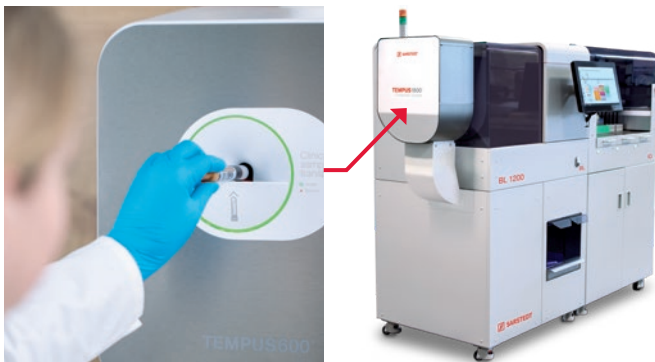
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BL1200 – 2 modules

- Bulk packed sample loading
- Sorting into centrifugation and analysis racks
- Barcode alignment in analysis racks
- Gel-Check optional
- Optional sending of tubes with Tempus1800®

Even more efficient together: HSS and Tempus1800®



Straight from the floor to the laboratory

With Tempus1800® you accelerate specimen transport, thus reducing the total turnaround time (ToTAT) for clinical specimens and optimize the entire pre-analytical workflow.

This allows faster decisions to be made and can lead to better treatment of patients. Tempus1800® brings the laboratory closer to the floor.

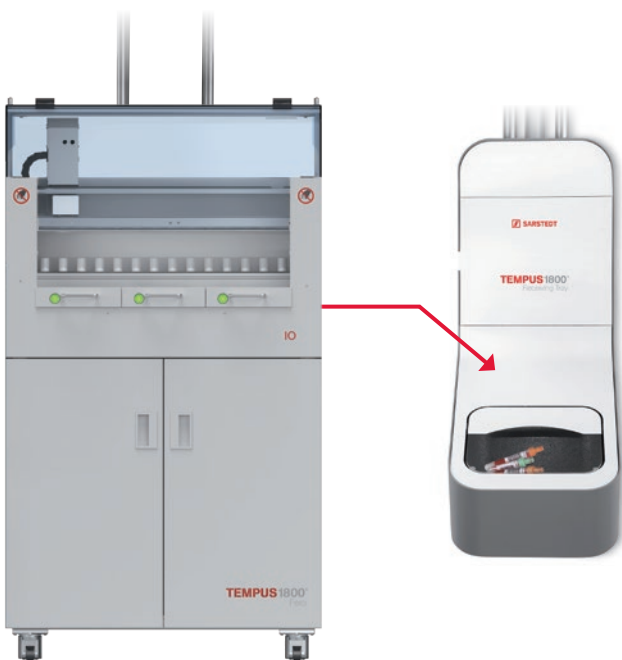
Gain with Tempus1800®

- Save valuable time for your personnel with simple, direct sample transport and take the strain off existing transportation systems
- Use the potential of your HSS system even more efficiently
- Take the next step towards laboratory automation

Pre-analytical workflow engineered by SARSTEDT

SARSTEDT gives you holistic, coordinated products and systems that are consolidated in the pre-analytical workflow product range – from optimal sample quality, direct transport, automated sorting and distribution to reliable archiving. Take advantage of our systematic synergies.

Let's work together.



Tempus1800® brings sample tubes to your laboratory simply, directly and securely.



Save time with the Tempus1800® sample transport system

shop.sarstedt.us/s-monovette-Tempus1800

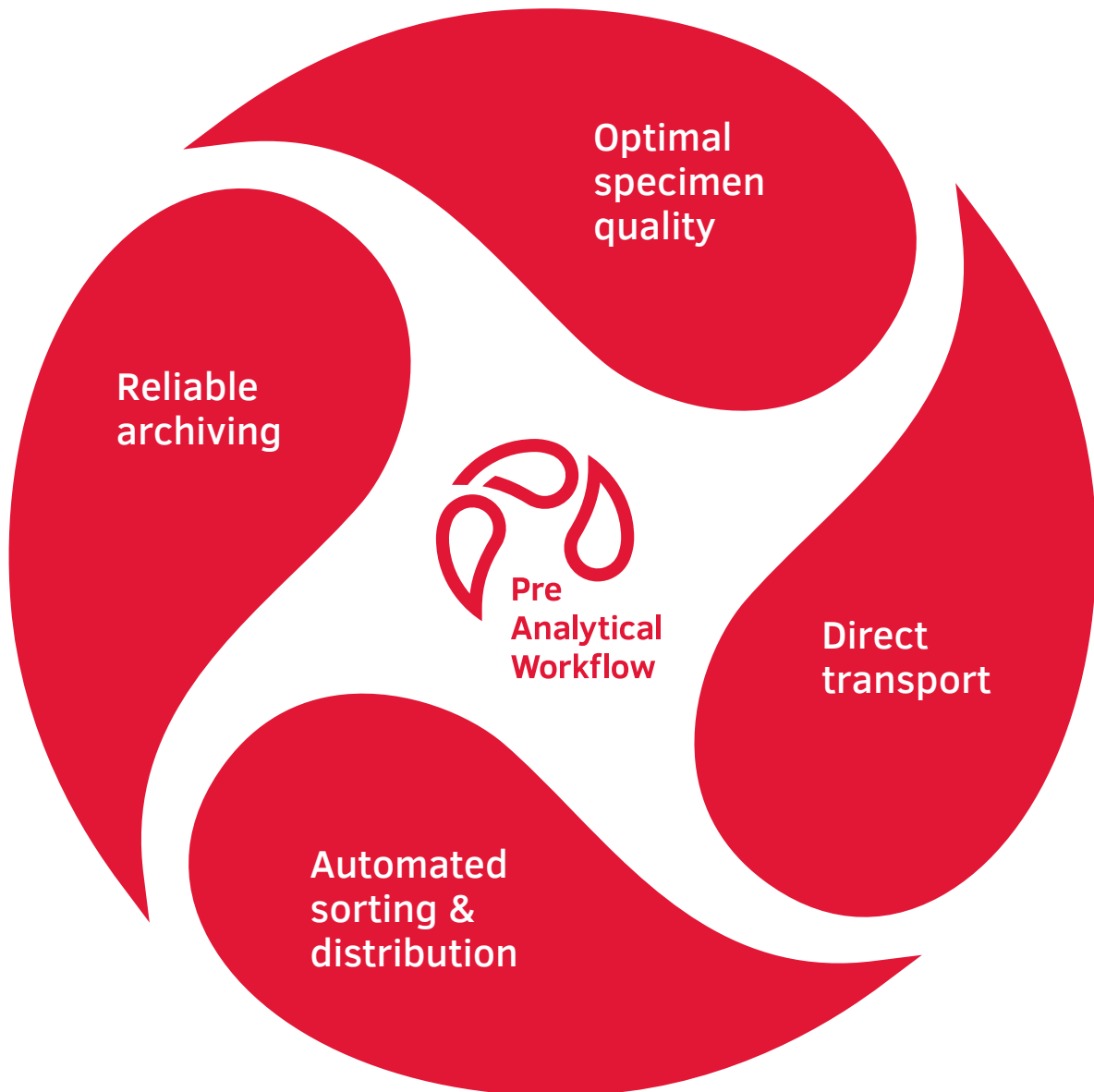
Pre-analytical workflow powered by SARSTEDT

Take advantage of the synergy of our synchronized systems.

Discover the 360° solutions for your pre-analytics by SARSTEDT:



workflow.sarstedt.com



If you have any questions,
we'll be happy to help!

Visit our website: www.sarstedt.com

SARSTEDT, Inc.

1025 St. James Church Road
P.O. Box 468
Newton, NC 28658 - 0468

Toll free: +1 800 257 5101

customerservice.us@sarstedt.com
www.sarstedt.com



Further information,
videos and ordering samples:
hss.sarstedt.com