

*To make your  
workflow excellent.*



# Efficiency Redefined

Utilise the full potential of laboratory automation.



Laboratory Automation

“Engineered and produced in Germany:  
the highest quality in Laboratory Automation  
for almost 30 years.”



# Fast to implement. Easy to adapt. Built to last.

Automation made simple.

Our standalone and modular solutions guarantee maximum flexibility – tailored precisely to your requirements – and support you and your employees in gaining more time for qualitative research work! Our expertise is your excellent workflow in pre- and post-analytics.

**Our high standards are the promise to you:  
We make your workflow excellent.**

## Your benefits at a glance:

- **Efficiency through automation**  
Streamline processes, minimise errors, and increase throughput with seamlessly automated workflows
- **Faster results, better care**  
Rapid turnaround times enable quicker clinical decisions and improved patient outcomes
- **Relief for your team**  
Reduce your manual workload and stay flexible – even with staff shortage
- **Tailored safety and flexibility**  
Our adaptable systems fit any workflow, enhancing lab safety and operational reliability
- **Agile and reliable project realisation**  
Fast implementation of your projects from planning to commissioning.



# Seamless integration – with any lab setup or TLA provider

It is worth investing in sustainable process optimisation, especially in the face of increasing competition and cost pressures. Independent from total lab automation (TLA) suppliers, our systems remain fully compatible with well-known suppliers – giving you maximum flexibility.

Our modular and standalone solutions cover a wide range of pre- and post-analytical processes and can be seamlessly integrated into existing workflows. We design custom solutions together with you – and implement them directly on site. Fast. Reliable. Tailored to your needs.

SARSTEDT solutions remain fully operational – even if you choose to transition to a different TLA provider in the future. Thanks to their modular and adaptable design, our systems integrate seamlessly and ensure lasting compatibility.



## Independent yet compatible

We are independent of total laboratory automation (TLA) suppliers – yet fully compatible with solutions from well-known suppliers. This gives you maximum flexibility.

Together with you, we plan individual projects, build tailor-made solutions, and install them at your site right away.

## Your key benefits at a glance:

### Independent & Compatible

- Works with all major TLA systems
- Flexibility to switch IVDs without replacing preanalytical automation

### Compact, modular systems

- Quick design, setup, and go-live
- Easy to expand or adapt over time



# Expertise in engineering

For precision, reliability and seamless lab workflows.

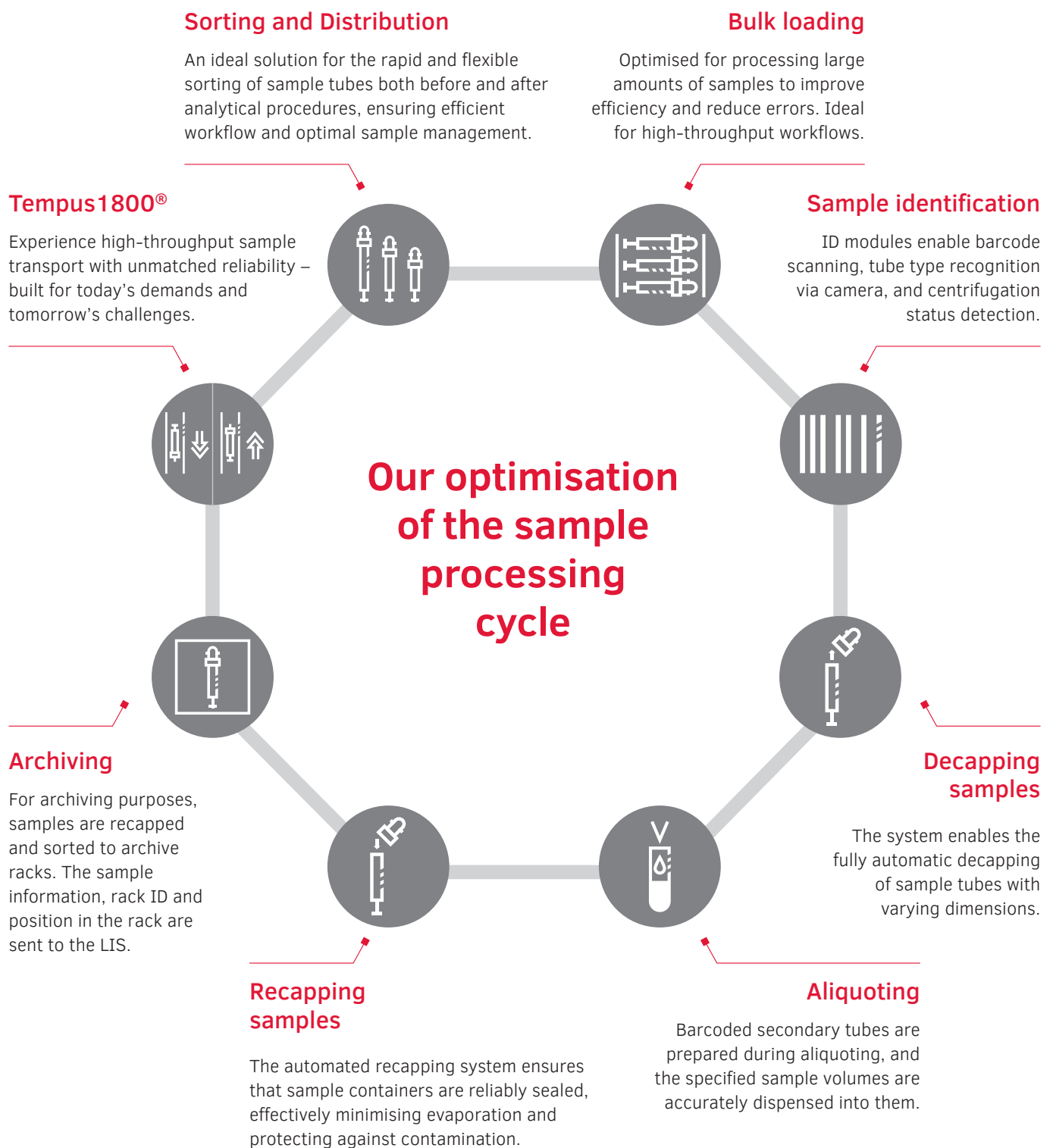
For almost 30 years, SARSTEDT has been a trusted and competent partner in laboratory automation, delivering reliable solutions tailored to the evolving needs of clinical laboratories, research facilities, and diagnostic centres worldwide.

With a strong focus on precision, efficiency, and user-friendly technology, SARSTEDT's automation systems streamline routine workflows, reduce human error, and ensure reliable, high-throughput sample processing.

Customers benefit from modular, customisable systems that integrate seamlessly into existing lab environments – backed by expert consultation, training, and responsive technical support. Our commitment to quality, continuous improvement, and customer satisfaction has established our name in the field of laboratory automation.

From sample quality and transport to automated sorting and archiving, SARSTEDT stands for performance, reliability, and partnership you can count on – today and into the future.

# Solutions for every process step – designed to fit your lab





Decapping

# DC 1200 Decapper – for automatic opening

Opening screw caps and stoppers regardless  
of manufacturer – fast and efficiently.

The DC 1200 offers fully automated decapping for all common tube diameters from 11 to 16 mm, handling various tube types in mixed operation with ease. Decapping takes place directly in the analysis rack – eliminating the need for reloading and saving valuable time.

With a throughput of up to 1,200 tubes per hour, intuitive operation, and compatibility with many existing linear racks, the DC 1200 ensures maximum efficiency, reduces manual workload, and lowers the risk of contamination or infection during routine lab processes.



## Maximum efficiency

Opens up to 1,200 tubes per hour  
directly in the analysis rack –  
no reloading, no delays.

## Broad compatibility

Handles various tube types  
(11–16 mm) in mixed operation and  
supports many existing linear racks.

## Enhanced safety and ease of use

Minimises infection risk, reduces staff  
workload, and ensures simple, intuitive  
operation.



Technical  
data sheet  
DC 1200

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DC1200](http://sarstedt.com/DC1200)



## Your advantages:

- The DC 1200 Decapper is compatible with different rack and cap types, allowing it to be used with many different analytical platforms and sample tubes
- Its compact design saves valuable laboratory space for other equipment or activities. It fits into existing laboratory concepts
- Reduces repetitive strain injuries (RSI) by reliably taking over monotonous, repetitive tasks, thereby relieving your staff.



Recapping

# RC 1200 Recapper – for reliable recapping

Recap and seal tubes for  
transport and archiving.

The Recapper Module (RC) ensures secure, evaporation-proof sealing of sample tubes, enhancing sample integrity and safety throughout the workflow. Available in three versions, it supports both universal stoppers (13–16 mm)

and screw caps for SARSTEDT tubes (13–15 mm), making it ideal for reliable sample transport, long-term archiving, and increased process efficiency in the lab.





### Improved sample safety

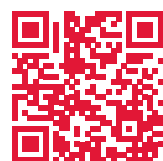
Automated recapping reduces evaporation and prevents contamination, ensuring sample integrity.

### Universal compatibility

One archiving cap fits all tubes with diameters of 13, 15 and 16 mm – no need for multiple cap types.

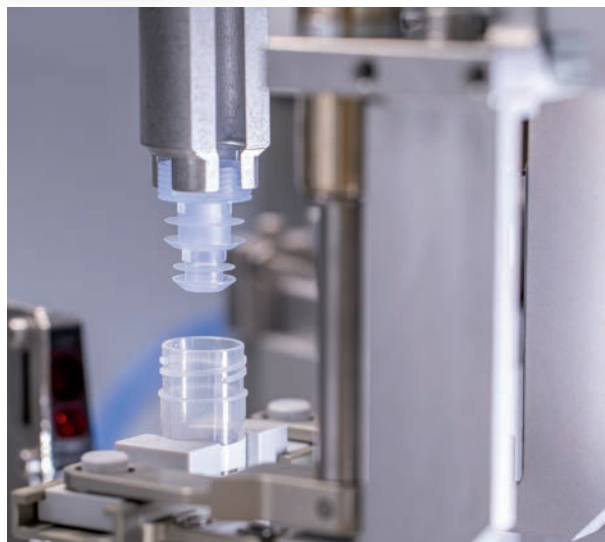
### Efficient workflows

Full automation of decapping and recapping streamlines reprocessing, saving valuable lab time.



Technical  
data sheet  
RC 1200

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RC1200](https://sarstedt.com/RC1200)



### Your advantages:

- The stopper can be automatically inserted and removed using the RC 1200 device
- Minimises sample evaporation during storage with archival stoppers suitable for tube diameters from 13 to 16 mm or Screw Caps for 13 or 15 mm SARSTEDT tubes.
- Ideal solution for long-term archiving and secure sample shipping with optional screw caps.
- Reduces repetitive strain injuries (RSI) by reliably taking over monotonous, repetitive tasks, thereby relieving your staff.



Identification



Decapping



Recapping



Sorting

Tempus1800®  
Sending

# Sorter FLEX 900 – the compact solution

Combines pre- and post-analysis  
in a single standalone device.

The FLEX 900 combines pre- and post-analytics in one compact system, ensuring high efficiency and optimal use of lab space. It eliminates repetitive manual tasks like cap removal, reducing the risk of staff injuries. Tubes of various sizes (65–100 mm in length, 11–16 mm in diameter)

are processed without pre-sorting, with safe and hygienic disposal of caps. The system is compatible with most racks and carriers and features customisable software for flexible integration. It can be configured as a decapper, recapper, or both, and upgraded later as needed.





### Flexible specimen dispatch

With the optional Tempus1800® Fero module, specimens can be automatically routed to different lab areas – no manual transport needed.



### Automatic decapping and recapping

Minimise manual handling with automatic, selective decapping and recapping—improving sample safety and reducing contamination risk.



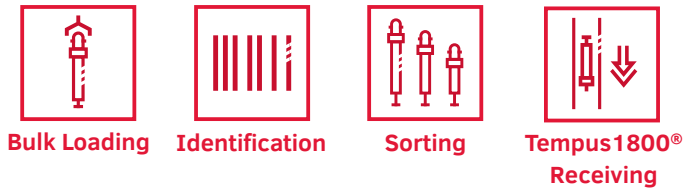
Technical  
data sheet  
DC RC 900 Flex

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### Your advantages:

- The FLEX 900 is the most compact device on the market that offers the functions of sample identification, decapping, recapping, sample sorting and sample dispatch via Tempus1800® at the same time. All functions can be used in combination on a footprint of approx. 1 m<sup>2</sup>
- Space optimisation: The compact design saves valuable laboratory space for other devices or activities. Fits into existing laboratory concepts
- The high sample throughput of up to 700 tubes per hour reduces the turnaround time, meaning analysis results are available more quickly and patients can be treated faster
- The device is compatible with over 70 rack types, allowing it to be used with a variety of different analysis platforms.



# BL 3500 – increasing your laboratory efficiency

Our new Bulk Loader provides efficient and error-free support for sample sorting – faster than ever before.

Time is a key factor in the daily laboratory routine. With the new BL 3500, laboratory teams have a reliable team member at their side providing efficient and error-free support for sample sorting – faster than ever before. Bulk loading with the BL 3500 lab improves efficiency and speeds up analysis, enabling faster diagnostics and better patient care.

Its compact design saves space and fits well into existing workflows. At the same time, it reduces manual tasks, eases staff workload, and ensures intuitive, error-free operation – creating a more ergonomic and productive work environment and ensuring time saving conditions.



## Compact construction and ergonomic design

Thanks to its compact dimensions of 1385 × 905 × 1455 mm, the BL 3500 also fits seamlessly into small laboratory environments. The BL 3500 combines technical complexity with an optimised and space-saving design.

## Sample throughput of 3,500 tubes/h

Speed and reliability are essential factors in sample sorting. And the BL 3500 sets new standards here as well.

With a sample throughput of up to 3,500 tubes per hour, the BL 3500 is one of the fastest on the market – and therefore forms part of the basic equipment of every modern laboratory, both large and small.

## Smart loop function

Is a sample not clearly identifiable or is the test order not yet active in the LIS? No problem with the smart loop function. The return of the sample helps to clearly allocate the sample during a repeat run. If this is not possible either, the sample is ejected into a separate container – in an easy and uncomplicated manner.



Technical  
data sheet  
BL 3500

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BL3500](https://sarstedt.com/BL3500)

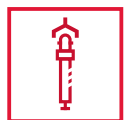
## Fast sample transport and sorting



Reduce the sample throughput time (TAT) by feeding samples directly into the BL 3500 using the Tempus1800® sample transport system.

All features at a glance: [tempus1800.sarstedt.com](https://tempus1800.sarstedt.com)

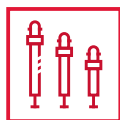




Bulk Loading



Identification



Sorting

Tempus1800®  
ReceivingTempus1800®  
Sending

# BL 1200 Bulk Sorter – smart, fast, flexible

The BL 1200 delivers efficient tube sorting with minimal effort and seamless integration into any lab workflow.

The Bulk Loader BL 1200 optimises sample handling by enabling loading of samples into a chute - eliminating the need for pre-sorting or manual insertion. It features an integrated ID module for sample identification and centrifugation status verification (Gel-Check), ensuring

accurate and reliable sample processing. This system enhances throughput, reduces manual errors, and helps streamline laboratory workflows, ultimately saving time and improving operational efficiency.



## Space-saving efficiency

A compact design makes the BL 1200 easy to integrate, minimising lab space without compromising on performance or functionality.

## Speed that delivers

With processing rates of up to 1,200 tubes per hour, the BL 1200 shortens turnaround times and supports faster patient diagnostics.

## Adaptable to your workflow

With over 70 compatible rack types and configurable sorting criteria, the BL 1200 flexibly adapts to changing lab requirements.



Technical  
data sheet  
BL 1200

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BL1200](https://sarstedt.com/BL1200)



## Versatile use and high throughput

- Suitable for sample tubes from various manufacturers, 80 - 110 mm in length (with cap) and 11 - 16 mm in diameter
- Supports a wide range of materials such as serum, plasma, whole blood, urine, and more
- Ideal for diverse laboratory requirements and sample types
- Receive or send samples via Tempus1800® tube transport system.



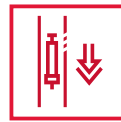
Bulk Loading



Identification



Sorting

Analysis line  
connectionTempus1800®  
ReceivingTempus1800®  
Sending

# BL 1200 Sort Connect – for high sample volumes

Optimise your workflow and handle highest volumes via fast and intelligent sample management.

The BL 1200 Sort Connect is designed to support laboratories in managing high sample volumes with minimal manual intervention. The system enables automated sorting of up to 1,200 tubes per hour and works with a wide range of common rack types. By automating key steps of the pre-analytical workflow, it contributes to a consistent and

reliable process structure. Integration into laboratory lines is possible via direct rack transfer or optional connection to the Tempus1800® transport system. Up to three sending units can be incorporated to distribute samples to different laboratory stations without manual handling.



## Rack balancing

Automatic balancing of centrifugation racks by using dummy samples.

## Tempus1800® sample distribution

Up to three Tempus1800® Fero modules allow sample routing to multiple lab stations without manual effort.



## Gel-Check

Centrifugation status verification for gel-tubes, ensuring accurate and reliable sample processing.

## Flexible sample loading

Enables sample loading via bulk and Tempus1800® Connection Module at the same time.



Technical  
data sheet  
BL 1200

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BL1200](http://sarstedt.com/BL1200)



## Sort Connect Module (SC) – the perfect addition

For connection to several analysis lines:

- Direct connection between BL1200 Sort Connect and analyser track system for seamless automation
- Efficient transfer of single tubes or racks into the analyser track input
- Integrated workflow by making part of the overall system
- Modular setup with the SC Module as the final link to analysis.

**Bulk & Rack  
Loading****Identification****Decapping****Aliquoting****Recapping****Sorting****Tempus1800®  
Receiving****Tempus1800®  
Sending**

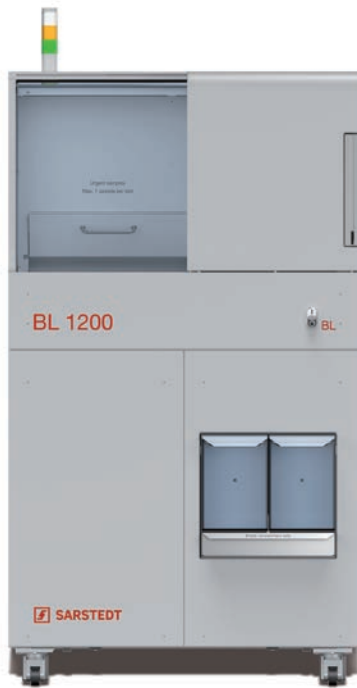
# HSS High Speed Sorter – saves valuable time

The SARSTEDT High Speed Sorter  
automates your pre- and post-analytics.

The HSS (High Speed Sorter) is a modular automation solution designed to meet the unique needs of your laboratory. With high sorting speeds of up to 1,200 tubes/hour, automated aliquoting, decapping, recapping, and LIS integration, the HSS boosts efficiency, reduces turnaround times, and ensures consistent sample quality. User-friendly operation, low

maintenance, and compatibility with over 70 rack types and all common sample tubes make it highly adaptable. Smart features like STAT prioritisation, flexible sorting rules, and bulk return functions optimise pre-analytical processes while reducing manual tasks.





### 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.



### Input/Output module (IO)

The IO module enables the insertion and ejection of sample tubes, whether open or closed. The platform layout is customised for each lab and can be adjusted using adapter plates (SARSTEDT FlexPlates) to switch between routine and archive operations. Optionally, up to two Tempus1800® units can be integrated, allowing automated tube transport to different lab areas.



### Identification module (ID)

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





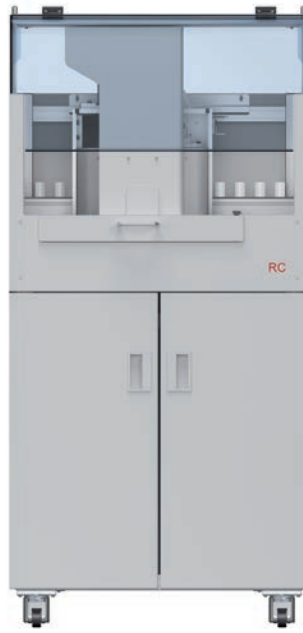
### Decapper module (DC)

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



### Aliquoter module (AQ)

The AQ module automates aliquoting, labels secondary tubes, and ensures contamination-free pipetting with high precision.



### 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 using the appropriate screw cap for transport or long-term archiving.



### Input/Output module (IO) with Tempus1800® Fero

Tempus1800® Fero accelerates sample transport between laboratories and maximises the potential of the SARSTEDT HSS system. The system reduces the total turnaround time (ToTAT) for clinical samples and enables faster decision-making, leading to improved patient care.



## Maximized throughput

The HSS system streamlines sample sorting, handling large volumes efficiently, and increasing laboratory productivity.

## Flexibility and scalability

It adapts to various sample types and can be scaled to meet evolving lab needs, ensuring long-term value.



## Enhanced accuracy and reliability

Automated sorting reduces human error, providing consistent, high-quality results in every operation.

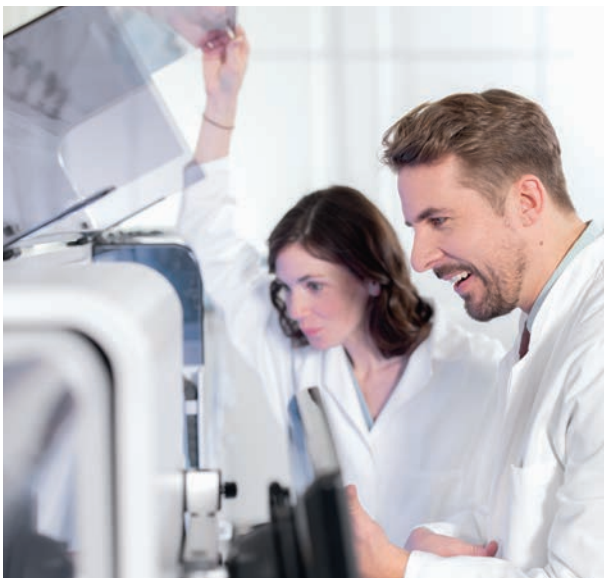
## Optimised workflow

The system integrates seamlessly into existing laboratory setups, improving overall process efficiency and reducing manual labor.



Technical  
data sheets  
HSS

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## Configure your HSS!

- The modular design allows for a fully customised setup – perfectly tailored to the specific needs of your laboratory environment
- Functionality, throughput, footprint, and cost can all be individually scaled, even retroactively
- Talk to us about your ideal configuration!



**LEARN MORE?**

[hss.sarstedt.com](https://hss.sarstedt.com)



**Faster  
diagnostics**



**Cost efficient**



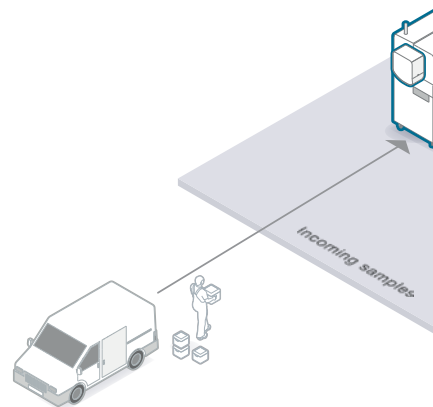
**Minimal  
maintenance**



**Innovative  
transport**

# Tempus1800®

Receiving and sending samples within the laboratory, fully integrated with SARSTEDT Lab Automation



The Tempus1800® is a cutting-edge technology that transforms the transport of small clinical samples within hospital and laboratory environments.

While sending samples within the laboratory with SARSTEDT automation systems BL1200, HSS, Flex 900 via Tempus1800® Fero, the receiving side of samples remains open: Tempus1800® supports seamless sample handover to all common lab automation platforms. This ensures maximum

flexibility for integration into existing or future system landscapes. The system delivers a precise and innovative response to the logistical challenges faced by clinical laboratories, both independent and hospital-based. It reduces the ToTAT, optimises the utilisation of diagnostic analysers, and enhances operational efficiency. Automated One-Touch Sample Handling. By ensuring faster, more reliable results, Tempus1800® contributes directly to improved patient outcomes.



## Tempus1800® Fero

Tempus1800® Fero is a unique module that is only available with SARSTEDT's laboratory automation instruments. It enables automated sample sending after processing and optimises connectivity within your laboratory while minimising manual intervention. The Tempus1800® Fero increases throughput and improves the turnaround time, thereby redefining lab efficiency.

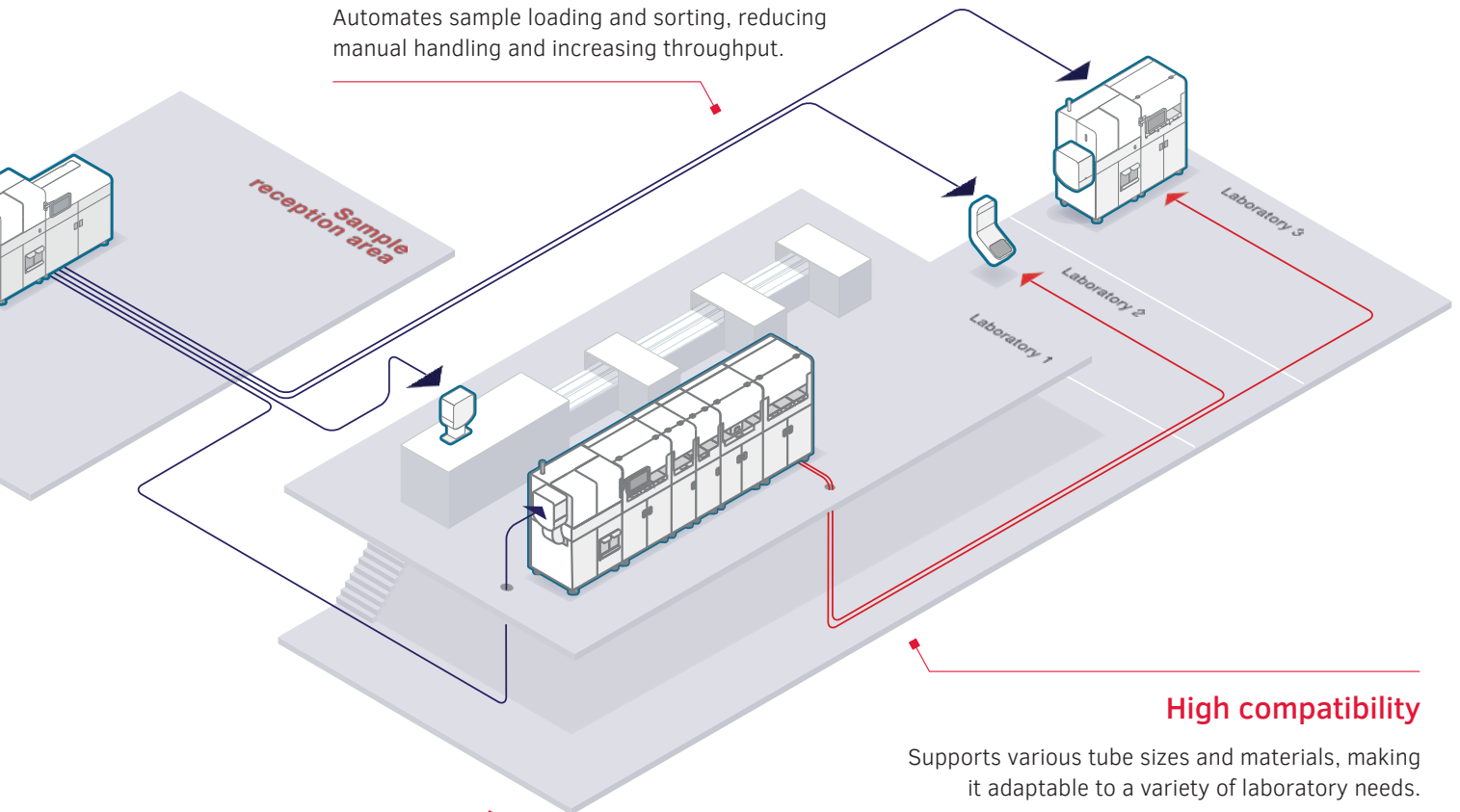


## Tempus1800® Necto

Tempus1800® Necto is an automated solution, delivering high throughput for the receiving, accessioning, and transporting of samples over long distances within the laboratory. It streamlines the entire registering and sorting process, allowing samples to be transferred to up to six different locations with direct connection to Tempus1800® receiving tray or lab automation systems.

## Enhanced efficiency

Automates sample loading and sorting, reducing manual handling and increasing throughput.



## High compatibility

Supports various tube sizes and materials, making it adaptable to a variety of laboratory needs.

## Improved accuracy

Integrated ID module ensures precise sample identification and status verification, reducing errors.



Learn  
more about  
Tempus1800®

[sarstedt.com/  
tempus1800-en](https://sarstedt.com/tempus1800-en)



## Designed for the high demands of laboratory work

- High precision and performance to meet the exacting standards of modern laboratories
- Seamless integration with existing laboratory automation systems for streamlined workflows
- Enhanced efficiency through a synchronised and optimised transport solution
- Low maintenance requirements, reducing downtime and operational disruptions
- Durable design ensures long-term reliability and consistent performance
- Supports timely and accurate results, contributing to improved patient care.

# The Petri Dish Organisation System (POS)



## High capacity and flexibility

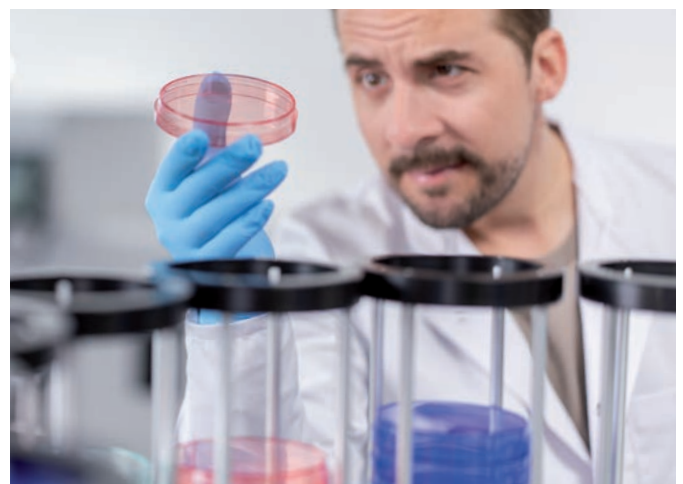
With a capacity of 600 plates (15 magazines with 40 plates each), the system has a high capacity and flexibility.

## Compact and ergonomic design

Simplified installation in a variety of spatial requirements thank to its compact design.

The POS 720 automates the labeling and sorting of up to 700 Petri dishes per hour, ensuring reliable availability and precise identification throughout the workflow. With a capacity of 600 plates (15 magazines of 40), it offers high throughput and exceptional flexibility. Machine-readable barcodes and clear labeling minimise errors and improve traceability.

An intuitive interface and low maintenance needs reduce training time and simplify daily use. Optional barcode printing on the side or bottom of plates supports microscopy and visual inspection. Thanks to its compact design, compatibility with all common dishes, and ability to handle rare media via an additional label printer, the POS 720 streamlines microbiology lab operations – boosting quality, efficiency and competitiveness.



# The Petri Dish Transfer System (PTS) extension

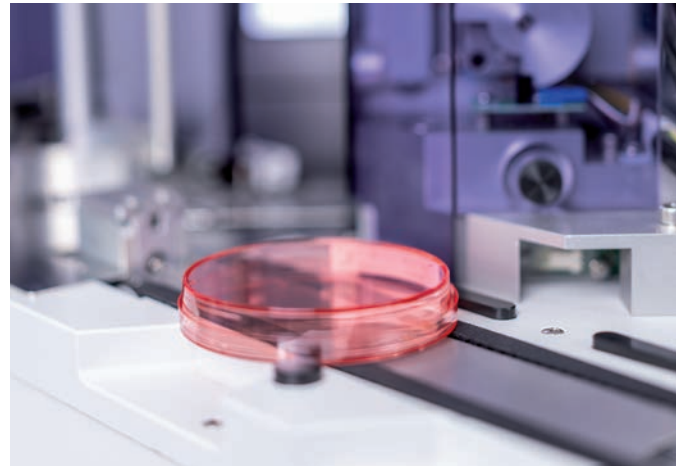
The Petri Dish Transfer System (PTS) streamlines laboratory workflows by reliably delivering Petri dish stacks from the POS 720 to designated workstations.

Its freestanding design can be tailored to fit your lab's layout, while the user-friendly interface ensures intuitive operation and minimal training.

The system reduces manual handling, ensures fast and reliable delivery of Petri Dish stacks, according to the sample sequence at the work place.

## Your workflow benefits

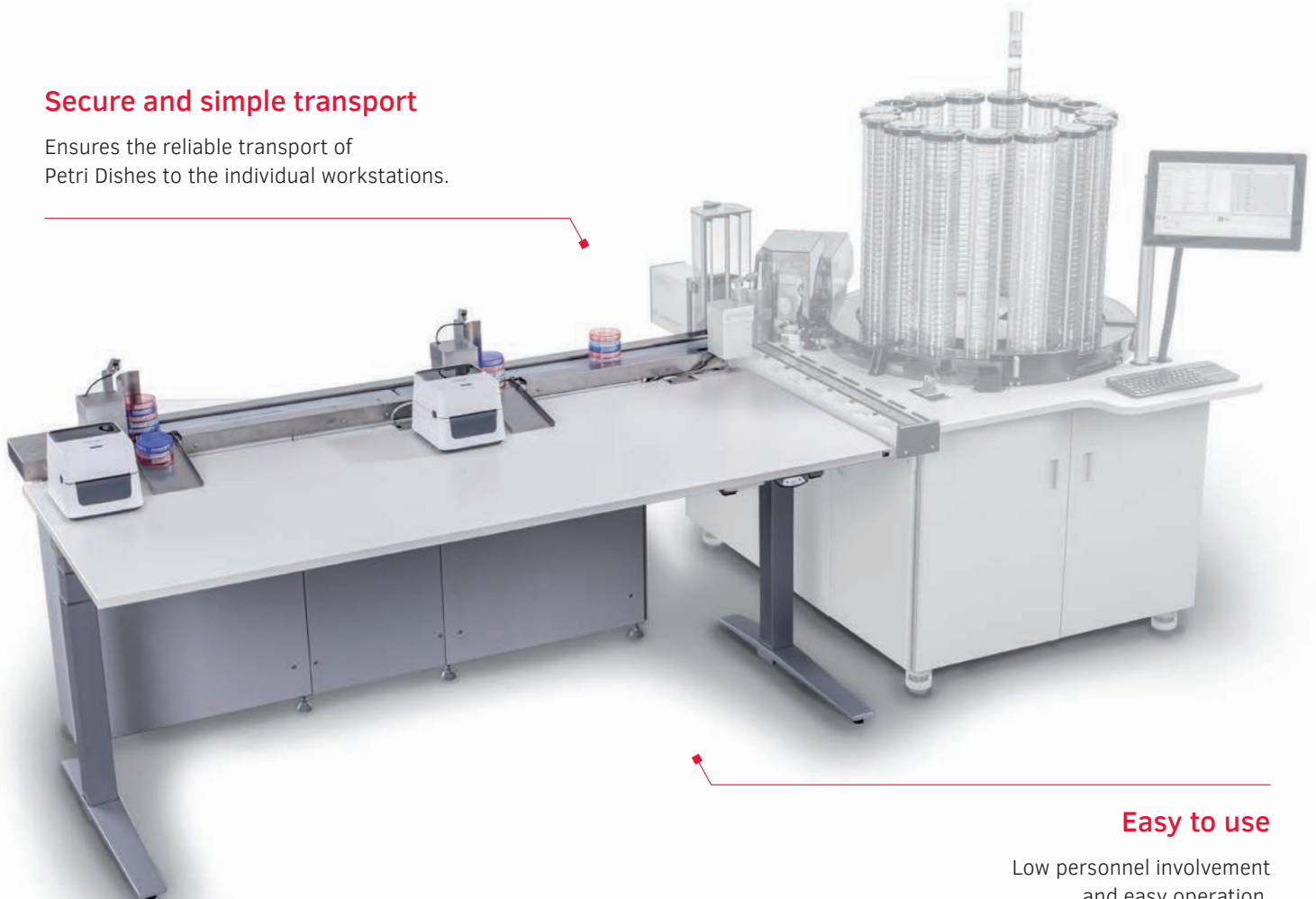
- Fast plate transport system
- Customisable for any lab
- Compact, space-saving design.



The PTS ensures that Petri dishes are seamlessly transported to up to 7 workstations.

## Secure and simple transport

Ensures the reliable transport of Petri Dishes to the individual workstations.



## Easy to use

Low personnel involvement and easy operation.

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

Visit our website: [www.sarstedt.com](http://www.sarstedt.com)

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