

To make your
workflow excellent.



Focus on what really matters

Clinical sample transport with Tempus1800®



Sample Transport



Clinical Sample Transport

The Crucial Role in Hospital Operations

In hospital operations, the transport of clinical samples stands as a cornerstone of diagnostic accuracy and patient care. Every day, hospitals and laboratories receive a myriad of small clinical samples, each carrying vital information essential for diagnosis and treatment planning.

Efficient sample transport is paramount for ensuring the integrity of these specimens. Timely delivery to the laboratory minimises the risk of sample degradation, preserving the quality of the material and safeguarding the accuracy of test results.

Moreover, swift transport reduces turnaround times, enabling healthcare providers to make informed decisions promptly, thus expediting patient care.

In the face of staffing shortages, budget constraints, and increasing workloads, the importance of fast, automated and reliable sample transport systems cannot be overstated. These systems not only optimise operational efficiency but also alleviate the burden on healthcare professionals, allowing them to focus on delivering quality patient care.

The lifeline in hospitals

Tempus1800®: For seamless sample tube logistics

Designed with the needs of modern hospitals in mind, the Tempus1800® system embodies innovation, reliability, and user-centricity. With its automated sample accessions and swift transport capabilities, Tempus1800® ensures timely delivery of small clinical samples from wards, clinics, and phlebotomy stations to the laboratory – a critical step in the diagnostic journey.

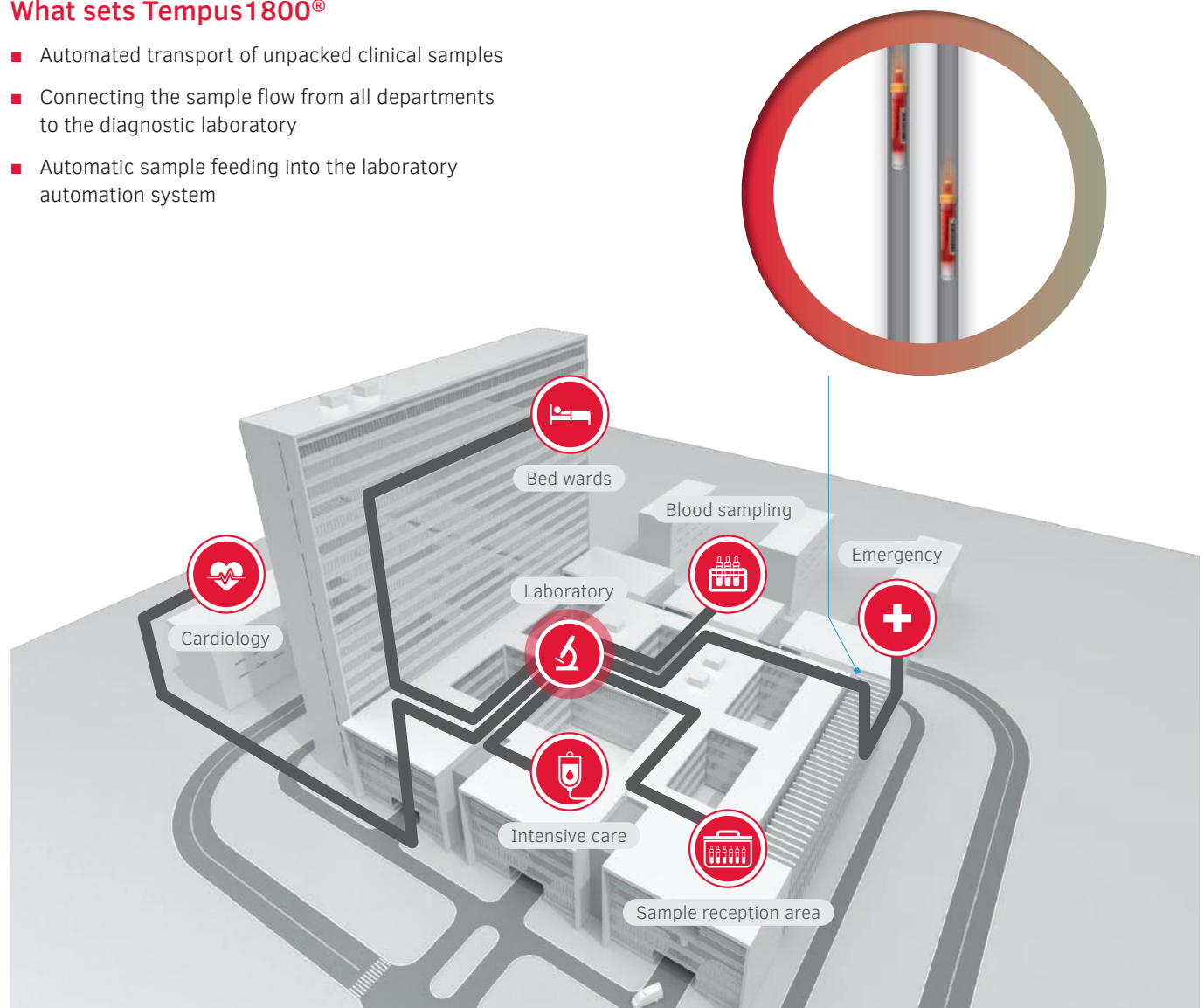
What sets Tempus1800® apart is its seamless integration into existing hospital workflows. Compatible with equipment from all in-vitro diagnostic (IVD) suppliers, this system offers

unparalleled flexibility and interoperability, empowering healthcare institutions to optimise their laboratory operations without disruption.

At its core, Tempus1800® represents a commitment to enhancing patient care by streamlining processes and reducing turnaround times. By automating sample transport and accessioning, hospitals can free up valuable resources, mitigate the risks of errors, and focus on what truly matters – providing timely, accurate diagnoses and treatments to patients in need.

What sets Tempus1800®

- Automated transport of unpacked clinical samples
- Connecting the sample flow from all departments to the diagnostic laboratory
- Automatic sample feeding into the laboratory automation system



Innovate. Accelerate. Liberate.

Benefit from Tempus1800® ...

Tempus1800® is an automated transport system tailored specifically for the efficient handling of small clinical samples within hospital settings. This is how the Tempus1800® system could revolutionise sample transportation in your healthcare facilities:



Improved and predictable turnaround time

- Fast and predictable point-to-point delivery
- Reduction of total turnaround time (ToTAT)
- Faster decisions for better patient care
- Dedicated lines without waiting times or backlogs



Easy to use

- One-touch handling, reduced complexity
- Intuitive interfaces for easy operation
- Minimal training requirements, maximal operational efficiency



Free up resources

- One-touch handling and automation liberates resources
- Fast discharge of ambulatory patients
- Staff can focus on high-priority clinical duties



Sustainable solution

- Reduces plastic waste by transporting samples unpackaged.
- Optimises resource usage through automation and efficiency.
- Supports sustainable hospital processes by cutting compressed air consumption by up to ~50% with the Intelligent Airflow Priority System



... the automated sample transport system



Easy installation & seamless integration

- Hassle free installation in two weeks only – even in existing buildings
- Little need for space
- Effortless integration with equipment from all IVD suppliers



Lean operation with FIFO

- Evens out peaks and provides an even flow of samples at all times
- Embraces seamless workflows
- Reduces the need for POCT equipment



Gentle sample transport

- Secure transport protects the integrity of sensitive samples.
- Minimizes mechanical stress during transportation.
- Preserves sample quality for accurate diagnostic results.

Tempus1800®

Your timemachine. Almost.

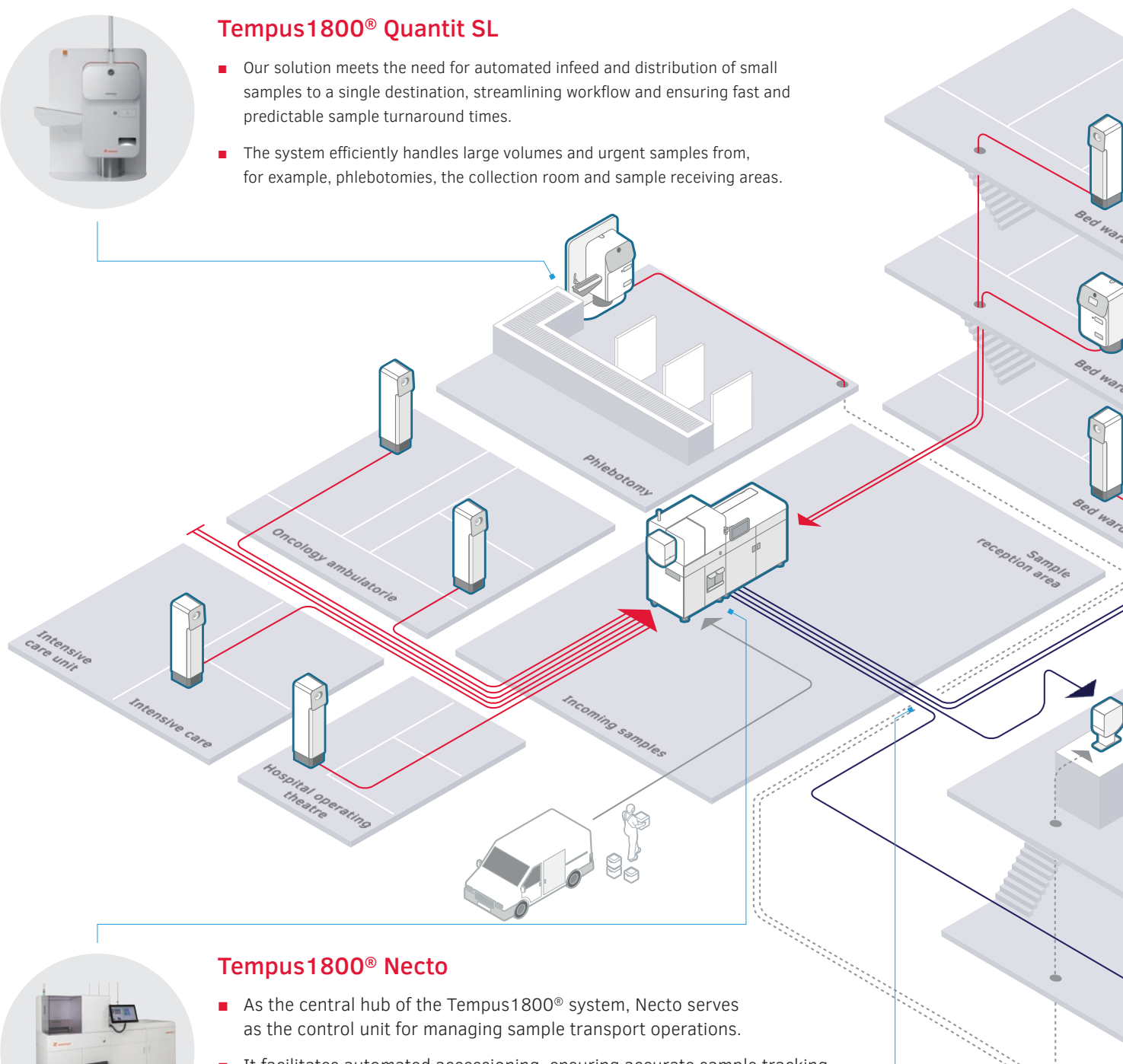
Tempus1800® is a versatile sample transport system designed to seamlessly integrate into the sample transportation workflow of hospitals, offering efficient and reliable transport of clinical specimens from collection points to the laboratory.

Its various units – Necto, Vita, Quantit and Quantit SL – are tailored to meet specific needs and use cases within different areas of the hospital.



Tempus1800® Quantit SL

- Our solution meets the need for automated infeed and distribution of small samples to a single destination, streamlining workflow and ensuring fast and predictable sample turnaround times.
- The system efficiently handles large volumes and urgent samples from, for example, phlebotomies, the collection room and sample receiving areas.



Tempus1800® Necto

- As the central hub of the Tempus1800® system, Necto serves as the control unit for managing sample transport operations.
- It facilitates automated accessioning, ensuring accurate sample tracking and data integrity throughout the transportation process.
- Necto optimizes workflow efficiency by coordinating the movement of samples and prioritizing urgent specimens for rapid delivery.



Tempus1800® Vita

- Tempus1800® Vita units are strategically deployed at collection points such as the intensive care unit (ICU), emergency department (ED), and hospital wards.
- Easy and secure transport of small clinical samples directly to the laboratory as single tube transport. Samples are delivered according to the first in – first out (FIFO) principle.
- These units ensure swift delivery to the laboratory while maintaining sample integrity.



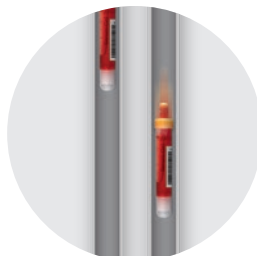
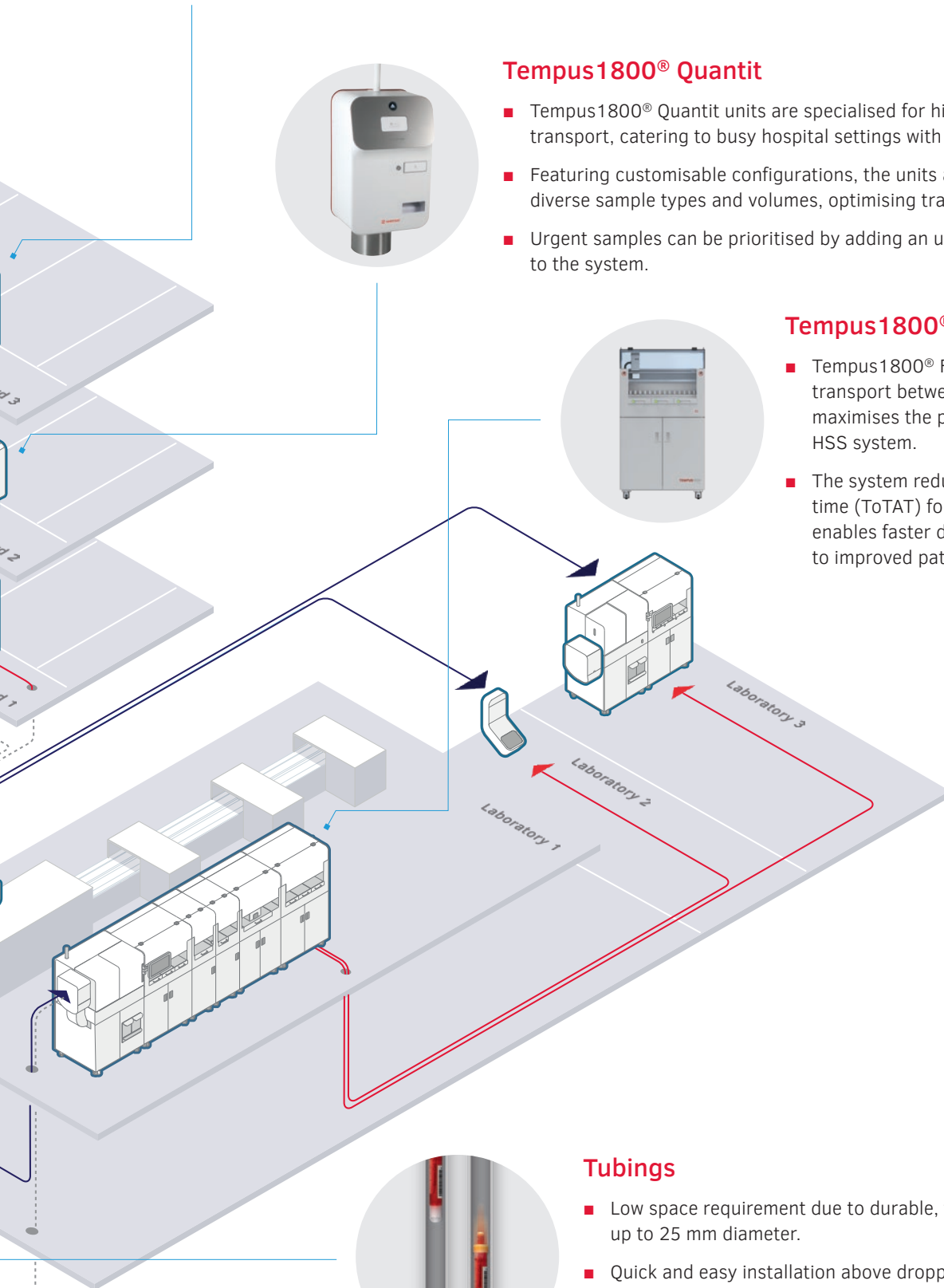
Tempus1800® Quantit

- Tempus1800® Quantit units are specialised for high-volume sample transport, catering to busy hospital settings with large sample throughput.
- Featuring customisable configurations, the units accommodate diverse sample types and volumes, optimising transport efficiency.
- Urgent samples can be prioritised by adding an urgency module to the system.



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.



Tubings

- Low space requirement due to durable, flexible plastic tubes with up to 25 mm diameter.
- Quick and easy installation above dropped ceilings or in supply shafts.
- End-to-end tubes without crossings and thus the risk of collisions.
- Can also be laid outdoors or underground.

More details
about
Tempus1800®



sarstedt.com/focus-en

Phlebotomy perfected

Seamless workflows from vein to lab

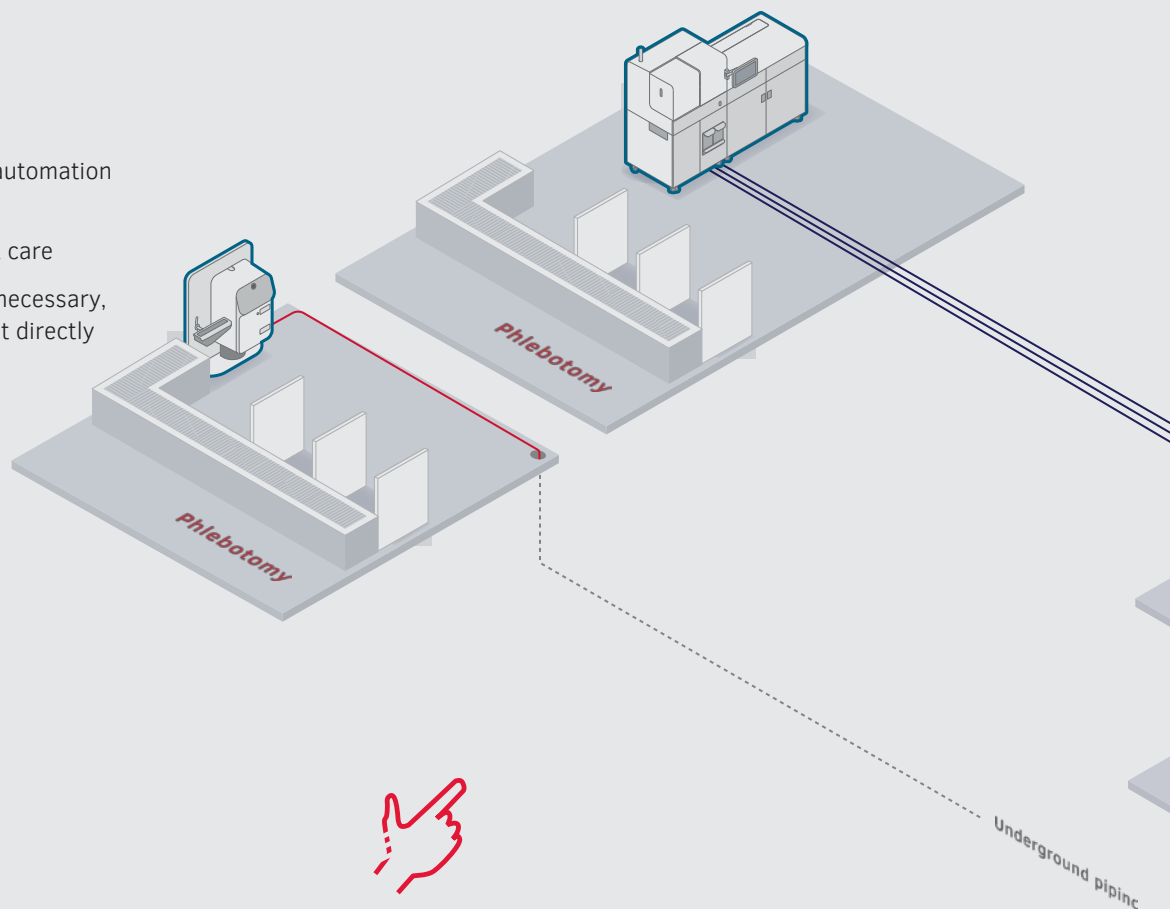
In the bustling environment of the phlebotomy area, efficiency and accuracy are paramount for clinical sample transport. With a constant influx of specimens requiring swift delivery to the laboratory, a reliable transport system is essential to ensure timely processing and diagnosis. The system must be seamlessly integrated into the phlebotomy workflow, accommodating diverse sample types and volumes while

prioritising patient safety and data integrity. SARSTEDT's Tempus1800® sample transport system offers a tailored solution, automating accessioning and streamlining transport to meet the unique demands of the phlebotomy area. Tempus1800® increases department capacity by freeing up valuable resources: staff, equipment, and space, ultimately enhancing efficiency and patient care.



Free up resources

- One-touch handling and automation liberates resources
- Staff can focus on patient care
- No collection of samples necessary, samples taken can be sent directly



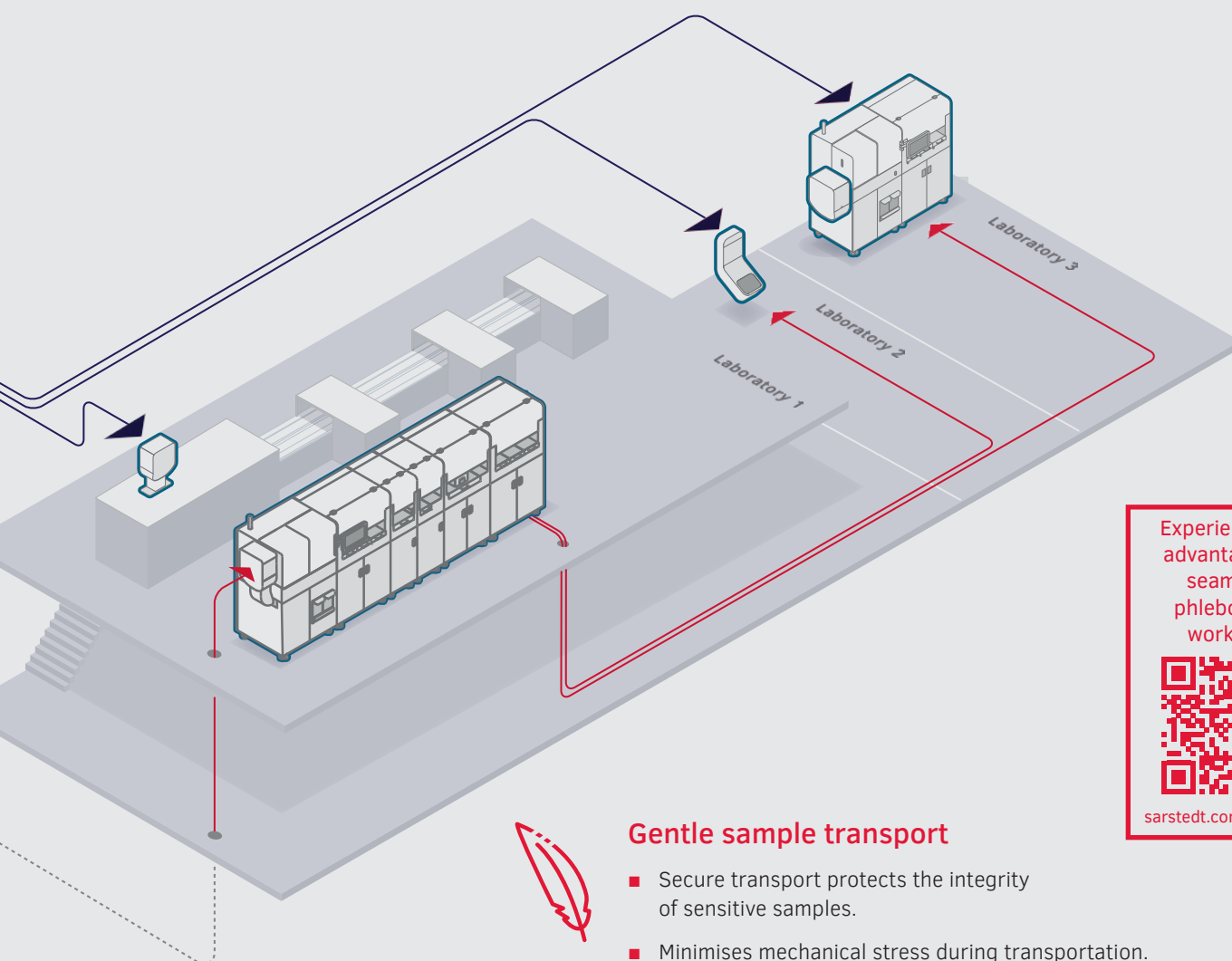
Lean operation with FIFO

- Evens out peaks and provides an even flow of samples at all times
- Embraces seamless workflows
- Reduces the need for POCT equipment



Easy to use

- Fast and predictable point-to-point delivery
- Reduction of total turnaround time (ToTAT)
- Faster decisions for better patient care



Gentle sample transport

- Secure transport protects the integrity of sensitive samples.
- Minimises mechanical stress during transportation.
- Preserves sample quality for accurate diagnostic results.

Experience the advantages of seamless phlebotomy workflow



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Seamless operations start with sample reception

Tempus1800® leads the way

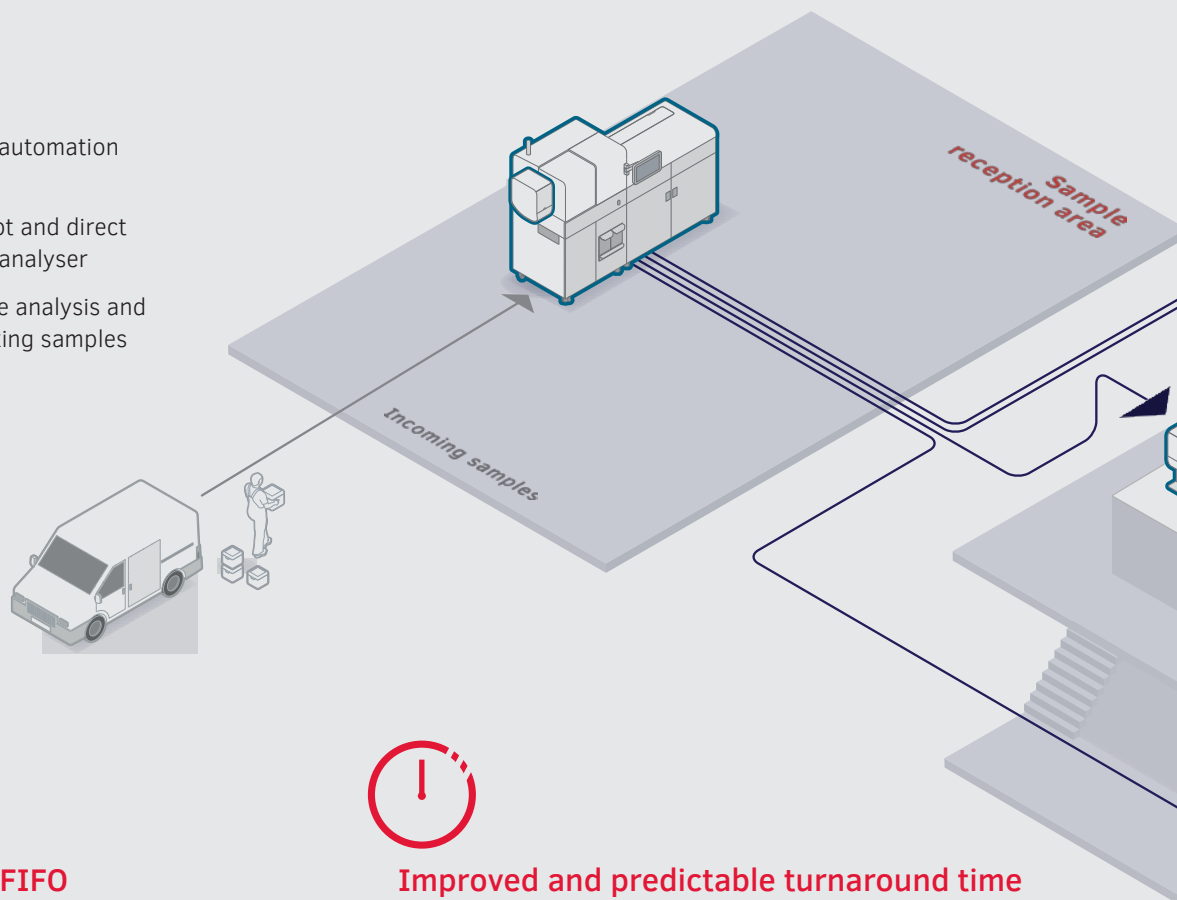
In the hospital's sample reception area, efficient and accurate sample transport is critical for seamless laboratory operations. As samples arrive from various departments and clinics, they must be swiftly processed and transported to the appropriate laboratory for analysis. SARSTEDT's Tempus1800® sample transport system provides a tailored solution, automating sample accessioning and ensuring rapid delivery to the

laboratory. With its seamless integration, Tempus1800® streamlines workflows in the sample reception area, optimising efficiency and facilitating timely diagnoses for improved patient care. In addition, Tempus1800® is an environmentally friendly solution that eliminates the need for plastic packaging because samples are sent unpackaged.



Free up resources

- One-touch handling and automation liberates resources
- Automated sample receipt and direct connection to sorters or analyser
- Staff can focus on sample analysis and no occupation by unpacking samples



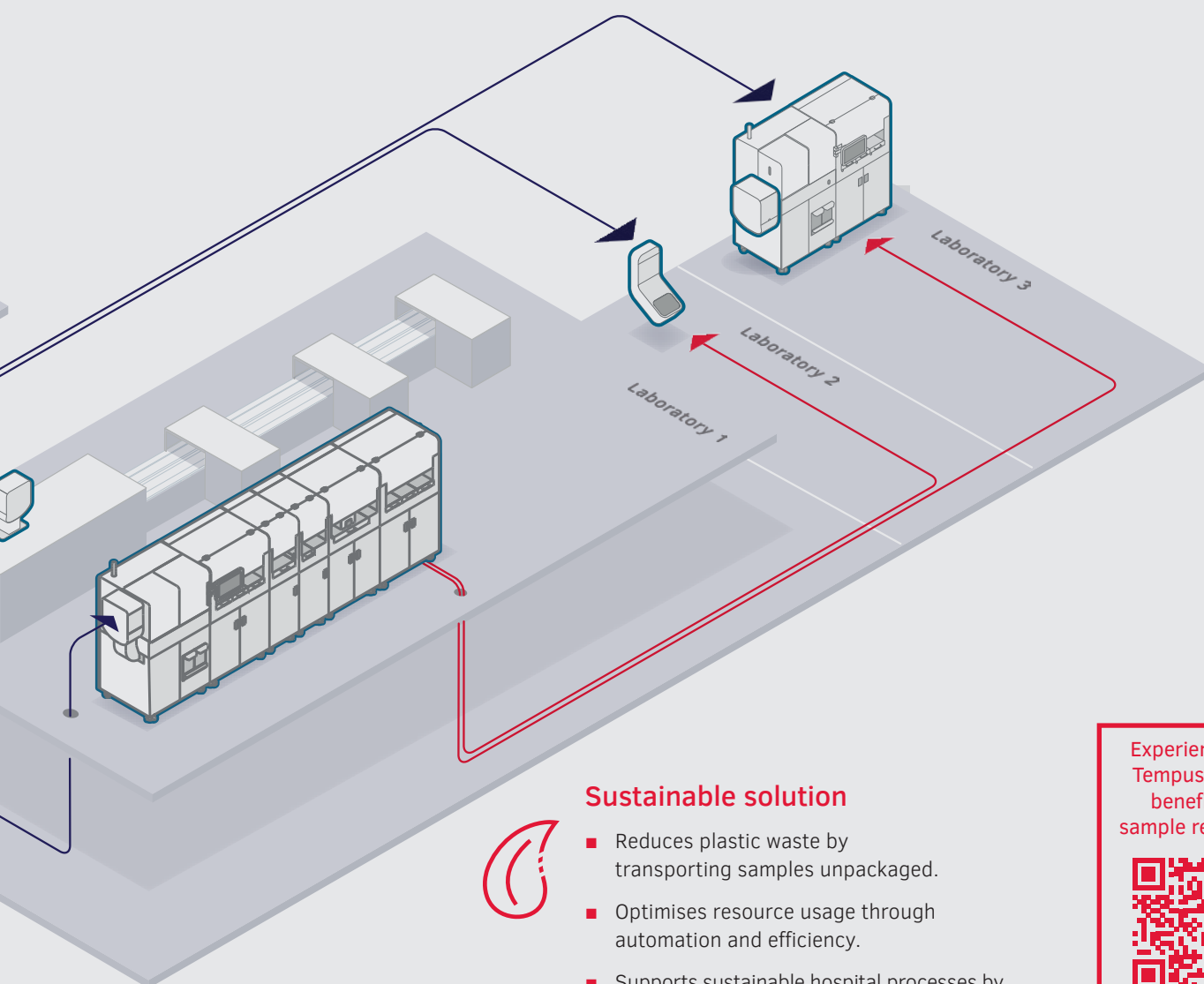
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Sustainable solution



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Experience the
Tempus1800®
benefits in
sample reception



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Intensive Care Units and Emergency Departments

Gain time when it matters most

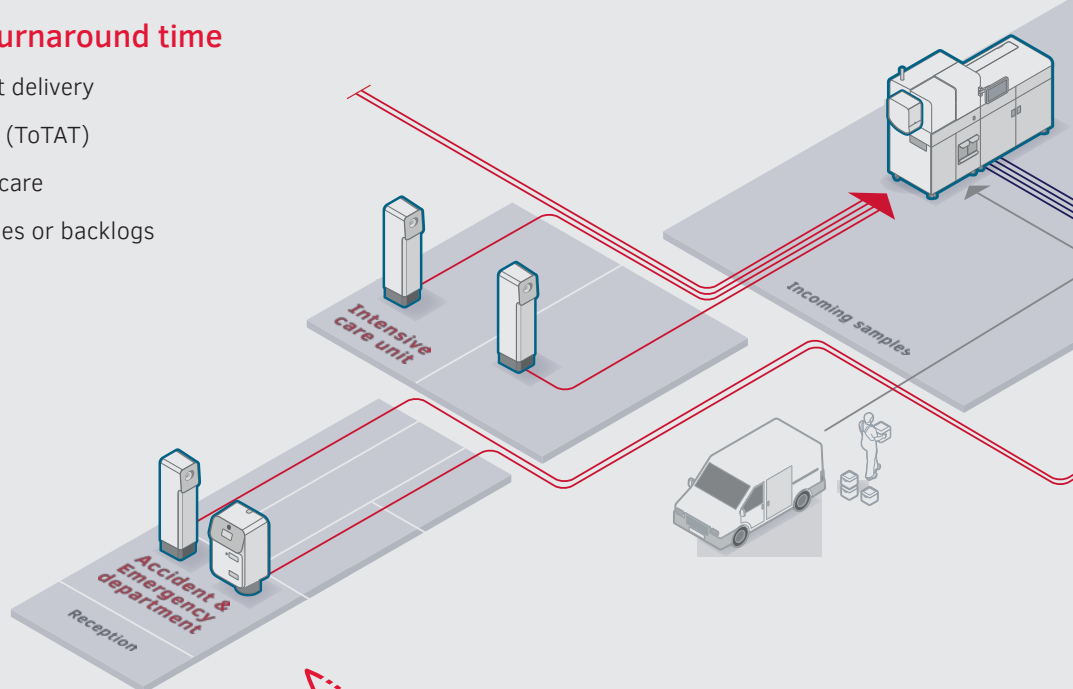
In the intensive care unit (ICU) and emergency department (ED), every moment counts in clinical sample transport. Urgency is paramount as timely diagnoses directly impact patient outcomes. SARSTEDT's Tempus1800® sample transport system addresses these unique needs by ensuring rapid, gentle and accurate sample delivery to laboratories.

Tempus1800® helps healthcare professionals in the ICU and ED gain precious time, enabling swift decision-making and interventions critical for patient care.



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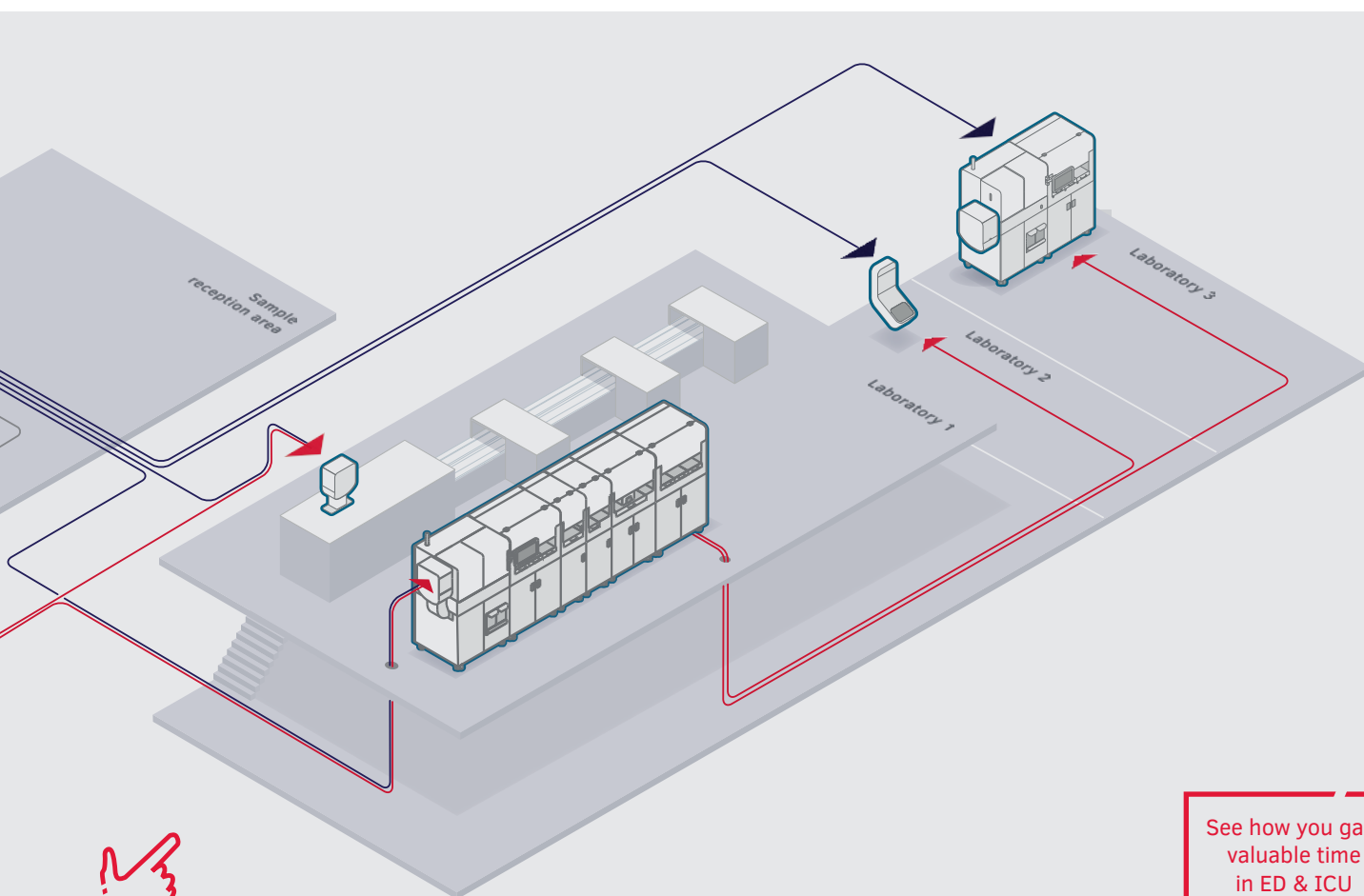
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Easy to use

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- Minimum training requirements, maximum operational efficiency

See how you gain
valuable time
in ED & ICU
with Tempus1800®



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

Connect your lab

Fast, Reliable, Automated. Tempus1800®

The introduction of Tempus1800® into clinical diagnostic laboratories represents a major advancement in sample receiving and transportation technology. Its fast, reliable, and automated features revolutionize sample transport, improving laboratory operations and patient care. Despite its compact design, Tempus1800® enhances equipment utilisation and workflow efficiency by streamlining sample flow and reducing turnaround times for timely diagnoses.

Its advanced connectivity ensures seamless integration with various laboratory automation systems, maximising throughput and maintaining sample integrity minimising the risk of pre-analytical errors.

By providing efficient, automated sample transport, Tempus1800® enables laboratories to meet growing diagnostic demands with confidence and precision.



Improved and predictable turnaround time

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- Reduction of total turnaround time (ToTAT)
- Faster decisions for better patient care



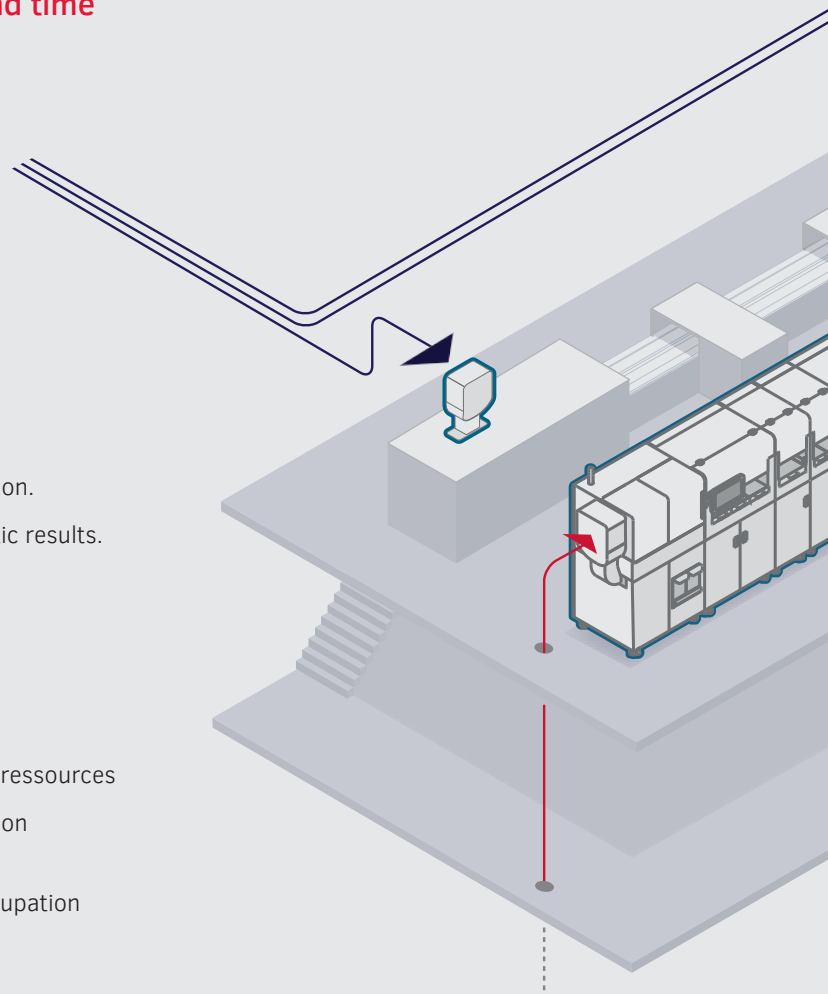
Gentle sample transport

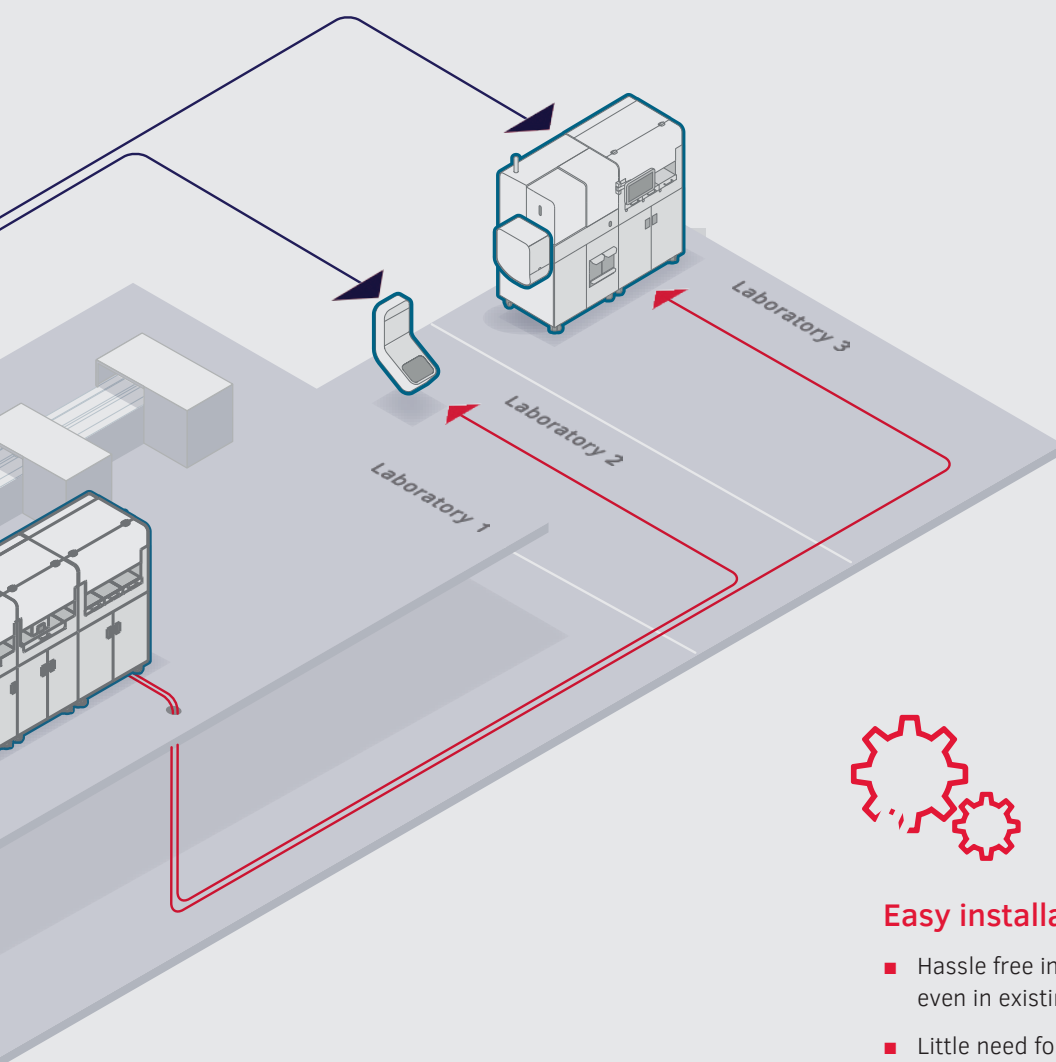
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Experience the full
integrated specimen
transport from
SARSTEDT:



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Easy installation & seamless integration

- Hassle free installation in two weeks only – even in existing buildings
- Little need for space
- Effortless integration with equipment from all leading IVD suppliers

Customer References



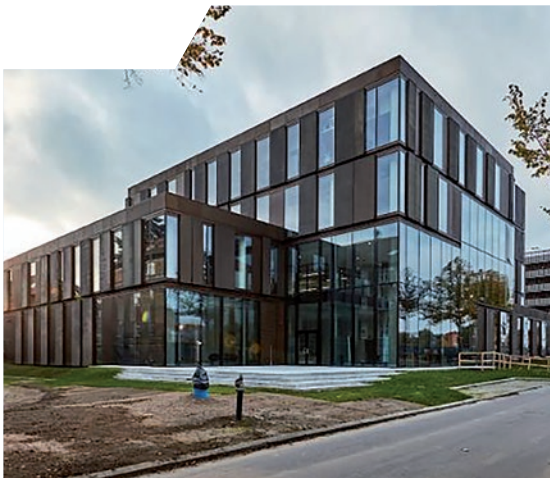
Since its installation, we have only had positive experiences with Tempus600®.

Prof. Dr Veronique Stove, laboratory director at the Department of Laboratory Medicine at Ghent University Hospital, Belgium



The Tempus600® is a wonderful solution which has already proved its worth by reducing the transportation time for blood sampling by 10 minutes.

Johan de Vries, Clinical chemist of the Clinical Chemistry and Hematology department, Laurentius Hospital, Netherlands



There is no longer any need to differentiate between Routine, Priority and Emergency samples, since all results for all priorities are available within an hour after arrival at the laboratory.

Helle Brunsgaard Larsen, leading biochemist at the Department of Clinical Biochemistry, Bispebjerg Hospital, Denmark



The concept for a direct and safe single sample transport directly into the laboratory automation is an important improvement of the preanalytical process.

Dr. Ronny Baber, Medical Devices Representative in the central laboratory of University of Leipzig Medical Center, Institute of Laboratory Medicine and Head of the Leipzig Medical Biobank, Germany.



The total turnaround time for blood samples has been reduced from 40 to 20 minutes with less resources involved. When doctors receive test results earlier, there is less waiting time for patients in the ER.

Dr. Rosada, Head of the Emergency Room, Ospedale dell'Angelo, Italy.



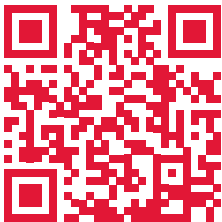
It is a brilliant system and very easy to install in existing hospitals. It has helped us reduce turnaround time dramatically and we can start patient treatment sooner.

Gunn Sjurseike Dale, manager Medical Biochemistry department, Stavanger hospital, Norway

Everything from a single source

Benefit from coordinated systems:
As a leading global provider of pre-analytical solutions and systems, SARSTEDT's innovations have made a considerable contribution to making the pre-analytical workflow more reliable and efficient – from blood collection to automated sample handling.

Let's work together



workflow.sarstedt.com



Let us advise you

In addition to high-quality products and coordinated system solutions, we focus on the individual consulting and training of our customers. We have developed the SARSTEDT Pre-analytical Consultancy Program (SPCP) - a holistic concept that aims to qualitatively and quantitatively identify pre-analytical error sources and implement a subsequent action plan for sustained optimisation.

Storage systems



Closures



Secondary tubes



HSS High Speed Sorter





Pre-barcoded tubes



Multi-Safe Disposal boxes



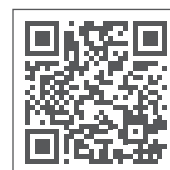
Tempus1800®
Sample transport



Sample
transport case



Postal Shipping
Systems



Bulk Loader BL 3500



Bulk Sorter BL 1200



AL-Flex Aliquoter



Reliable
archiving

Optimal
sample
quality

Direct
transport

Automated
sorting &
distribution



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

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