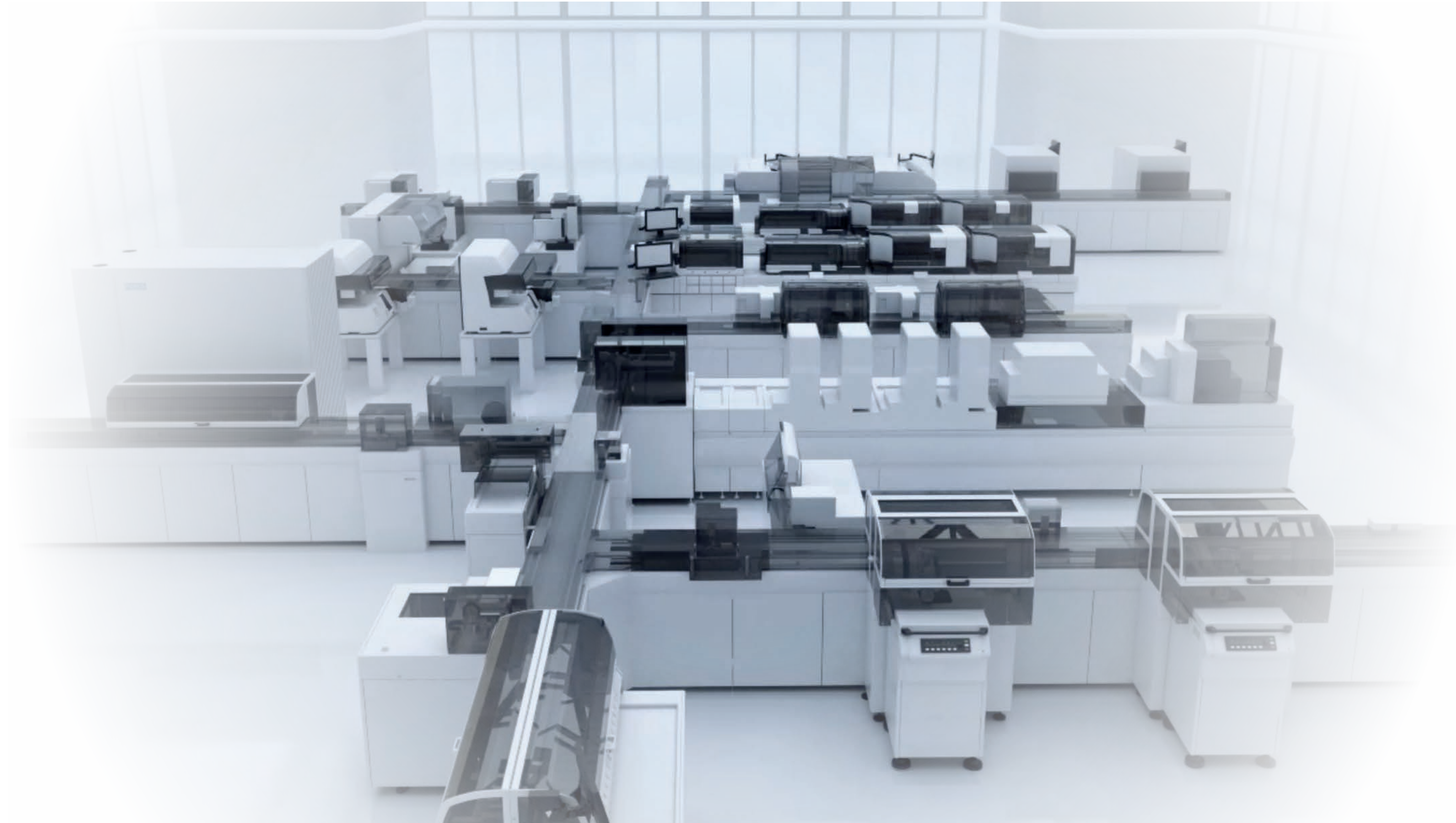**Aiming to avoid human error in**
Diagnostic Testing?

FlexLab

100% **open, scalable and with full sample traceability**

FlexLab

Open automation, packed with innovation.

- Would you like to connect various specialties from different analyzer manufacturers?
- Do you believe that cutting-edge innovation advances healthcare?
- Are you looking for an automation system that grows with your needs?

Inpeco's FlexLab™ Total Laboratory Automation system is built for laboratories looking for a game-changing, open system solution that is future proof and drives premium quality patient care.

Laboratory Managers face the daily challenge of delivering accurate test results in the shortest possible turnarond times, increasing productivity, improving quality and motivating their professional staff, whilst respecting regulatory requirements and tight budgets.
FlexLab™ is designed to meet these challenges in a compelling way.

What makes FlexLab™ unique?

Open connectivity
FlexLab™ is the only truly open automation system that allows laboratories to connect the analyzers of their choice and the specialties they need –> 100% independence.

### Full traceability of the single tube journey
FlexLab™'s powerful software determines the optimal processing path for every single tube and provides seamless tracking of the identified tube until its disposal -->100% tube control.

Scalable solution
FlexLab™ grows with your needs, at the time you decide and in the way you prefer. Adding modules or new analyzer connections is easy by design --> 100% future ready.
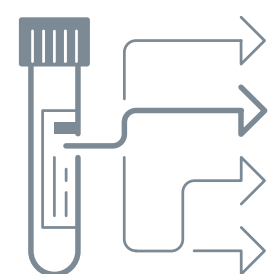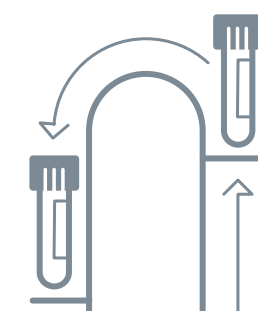
OVER 50 INSTRUMENT CONNECTIONS AVAILABLE
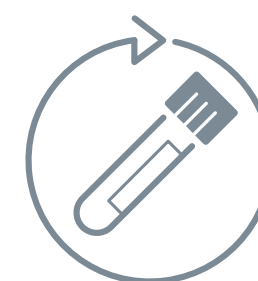
THROUGHPUT UP TO 10.000 TUBES PER HOUR

OVER 20 PRE- AND POST-ANALYTICAL MODULES

VERTICAL TRANSPORTATION FOR EXPANDING LABS IN 3D

Project Design

The way to your tailor-made solution

Based on a high-level analysis of your
current workflow and your organization's goals,
we provide you with a first indication
of what your automation solution could look like
(technical concept, budget, timelines).

Together
we design
the best solution,
for your laboratory

Designing an **automation solution around your needs** is easier
than you think, when you partner with the global leader in Total
Laboratory Automation. Our Customer Solution Specialists are
keen to design a **game-changing automation solution** for you,
in just four steps.

Project Design
The way to your tailor-made solution

1 Project Validation

Based on a high-level analysis of your current workflow and your organization's goals, we provide you with a first indication of what your automation solution could look like (technical concept, budget, timelines).

2 Inpeco Consultancy Program

An in-depth assessment performed with your site's key stakeholders results in a detailed picture of your current workflow, pain points and future needs, including KPIs. Following lean management principles, your future workflow is sketched and several layouts are designed.

Together *we design* **the best solution,** *for your site*

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3 First Design Proposals

All designs are reviewed with you, providing you with alternative ways to implement your future state. Mathematical simulations are deployed to assure your automation solution meets your operational KPIs even in the busiest periods.

Project Design

The way to your tailor-made solution

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Together *we design* **the best solution,** *for your site*

4 Final Solution Design

Upon review of all layout proposals, your final solution will be designed. Partnering with Inpeco, you can be sure it will change your game in terms of predictable TAT, increased productivity and premium quality patient outcomes.

3 First Design Proposals

All designs are reviewed with you, providing you with alternative ways to implement your future state. Mathematical simulations are deployed to assure your automation solution meets your operational KPIs even in the busiest periods.

Touchless workflow

The widest range of components for a deeply connected automation

FlexLab™ automation solutions are designed to optimally support the four key steps of the testing process inside the laboratory.
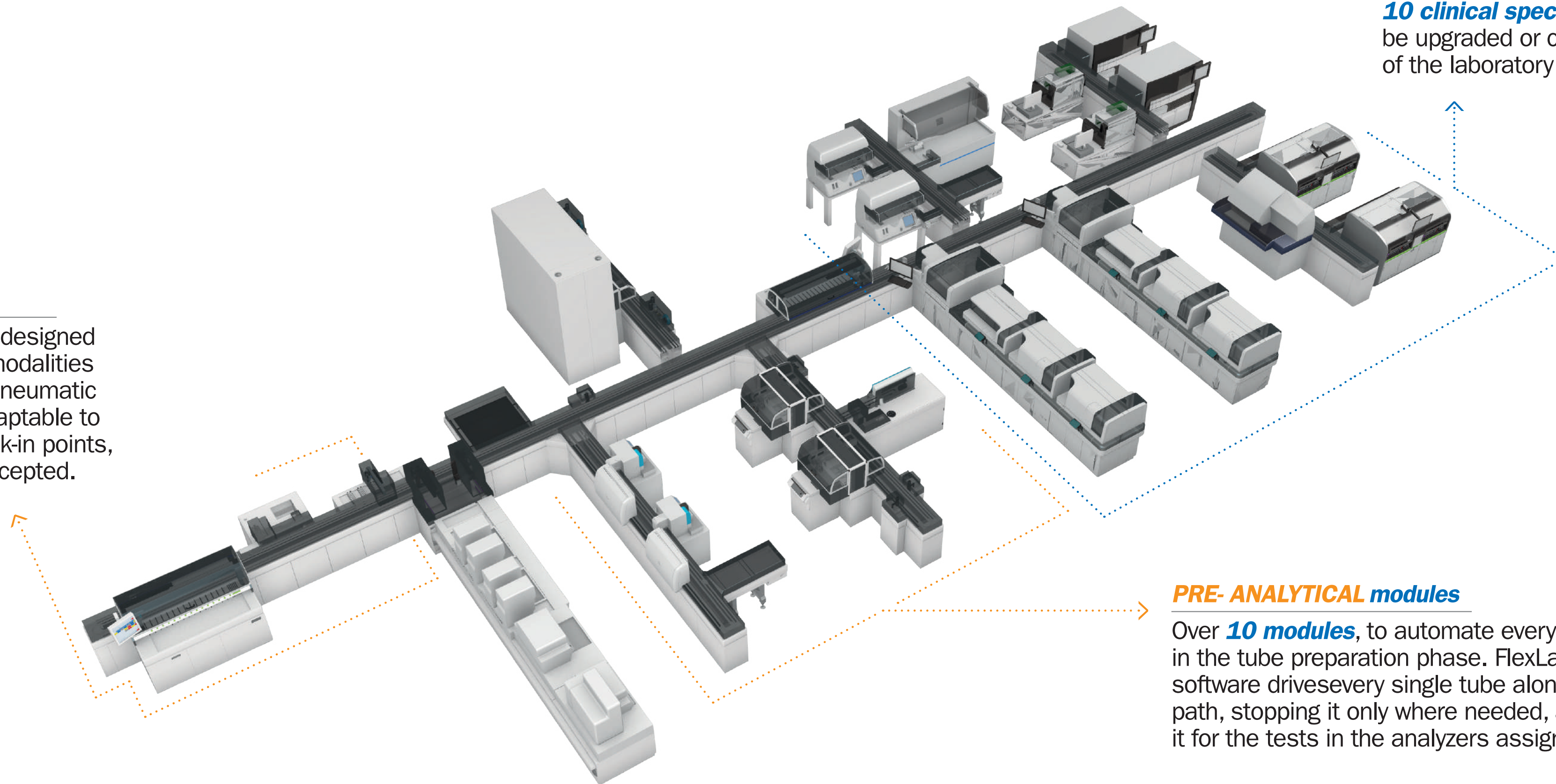
CHECK-IN

Various **input modules** designed to fit the accessioning modalities of every lab, including pneumatic transportation. Fully adaptable to workflows used at check-in points, many kinds of tubes accepted.

Touchless workflow

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PRE- ANALYTICAL modules

Over **10 modules**, to automate every task in the tube preparation phase. FlexLab™'s powerful software drives every single tube along its most efficient path, stopping it only where needed, and preparing it for the tests in the analyzers assigned.

Touchless workflow
The widest range of components for a deeply connected automation

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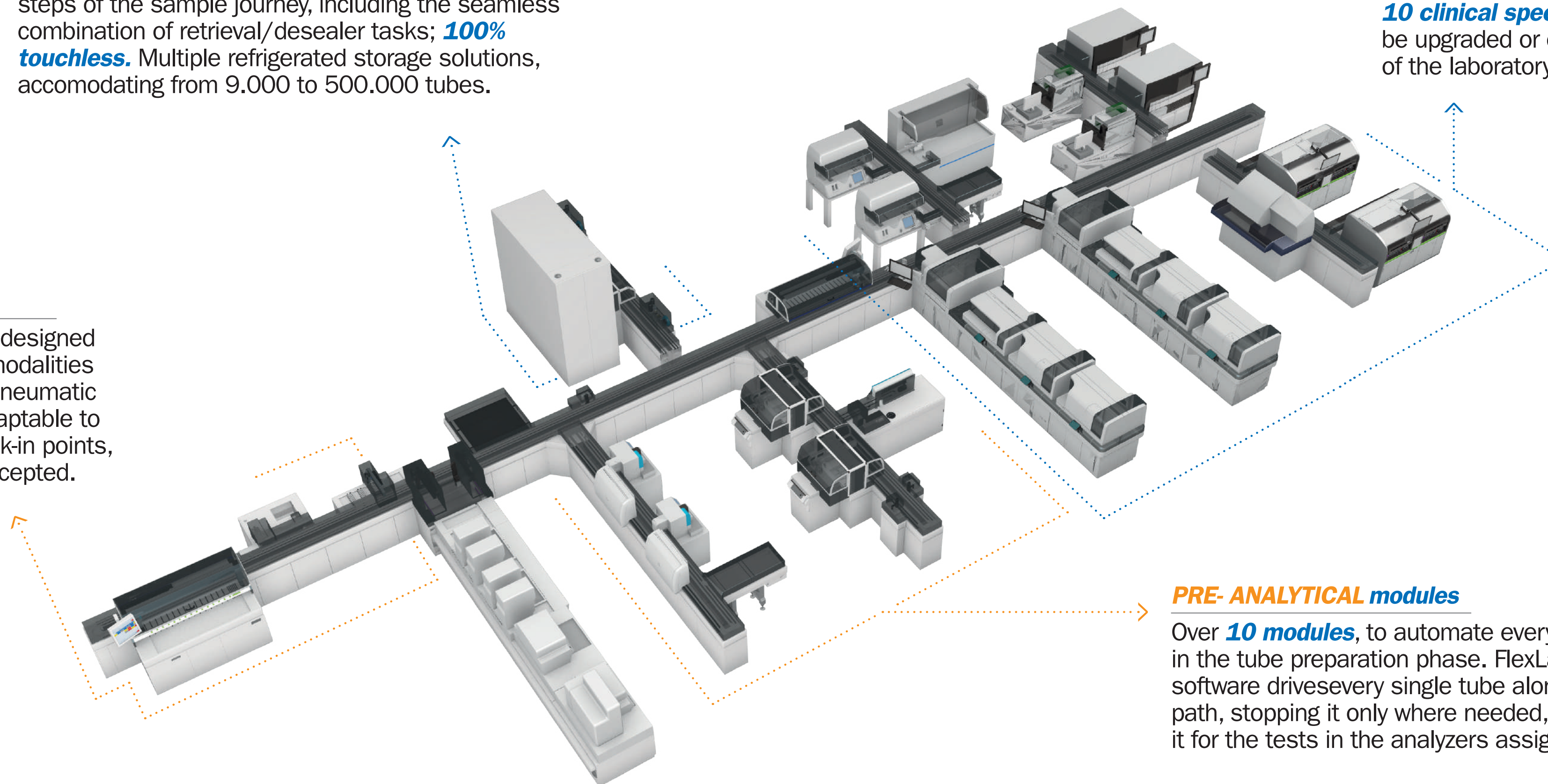

ANALYTICAL area

FlexLab™ can integrate over **50 different analyzers**, of various manufacturers, covering **10 clinical specialties.** Analyzers can easily be upgraded or changed, as the needs of the laboratory evolve over time.

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Touchless workflow
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FlexLab™ automation solutions are designed to optimally support the four key steps of the testing process inside the laboratory.

POST- ANALYTICAL modules

Many post-analytical modules to secure the last steps of the sample journey, including the seamless combination of retrieval/desealer tasks; **100% touchless.** Multiple refrigerated storage solutions, accomodating from 9.000 to 500.000 tubes.

ANALYTICAL area

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Many configurations
To fit any laboratory

" *I'm looking for a complete automation track that lets me connect the **analyzers of my choice** and allows me to combine **different specialties** in the core lab.* "
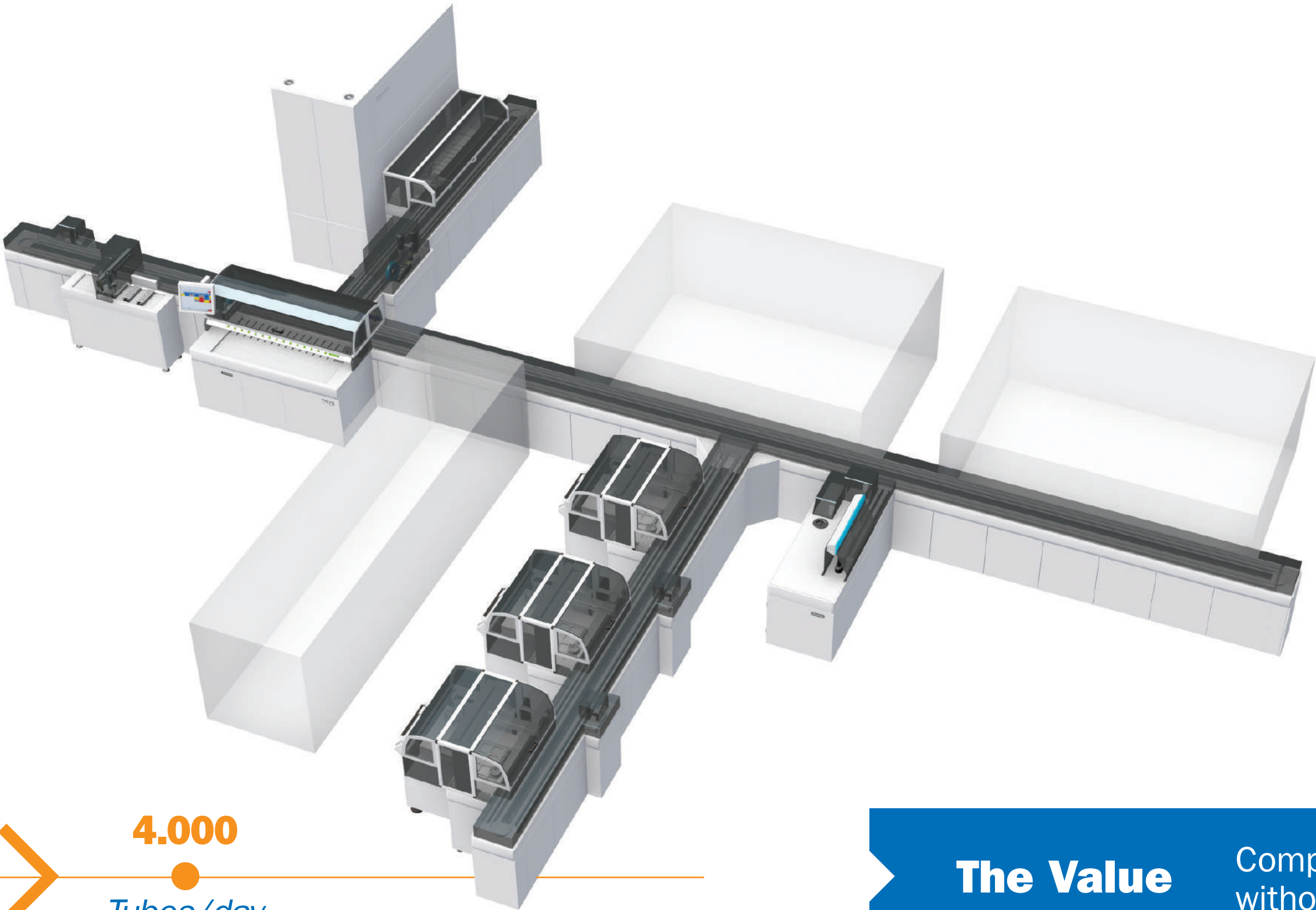
If you:

✓ face the daily challenge of delivering results in the committed TAT/in full/without errors
✓ work in close touch with clinicians and patients
✓ have to manage sudden peaks and a shortage of personnel

then you should consider FlexLab™!

Benefits of FlexLab™

› Reduces loss of tubes and delays in reporting
› Keeps TAT commitments by client
› Records all testing steps for quality checks
› 100% touchless process grants operators' safety
› Many modules for perfect adherence to your footprint

Case 1

- Hospital laboratory
- Patient-centricity
- Diagnosis and research

2.000 *Tubes/day*

4.000 *Tubes/day*

The Value — Complete automation, without compromise.

Many configurations
To fit any laboratory

If you:

✓ process samples from various collection points
✓ need to retrieve tubes quickly
✓ want to thoroughly monitor the efficiency of your lab

then you should consider FlexLab™!

Benefits of FlexLab™

› Easy-to-use system for operators

› Grants continuous up-time and premium service levels

› Easy sample retrieval for quick reflex requests

› Dashboards for system performance monitoring

Case 2

· Independent laboratory
· Various tubes at check-in
· High throughput workflow
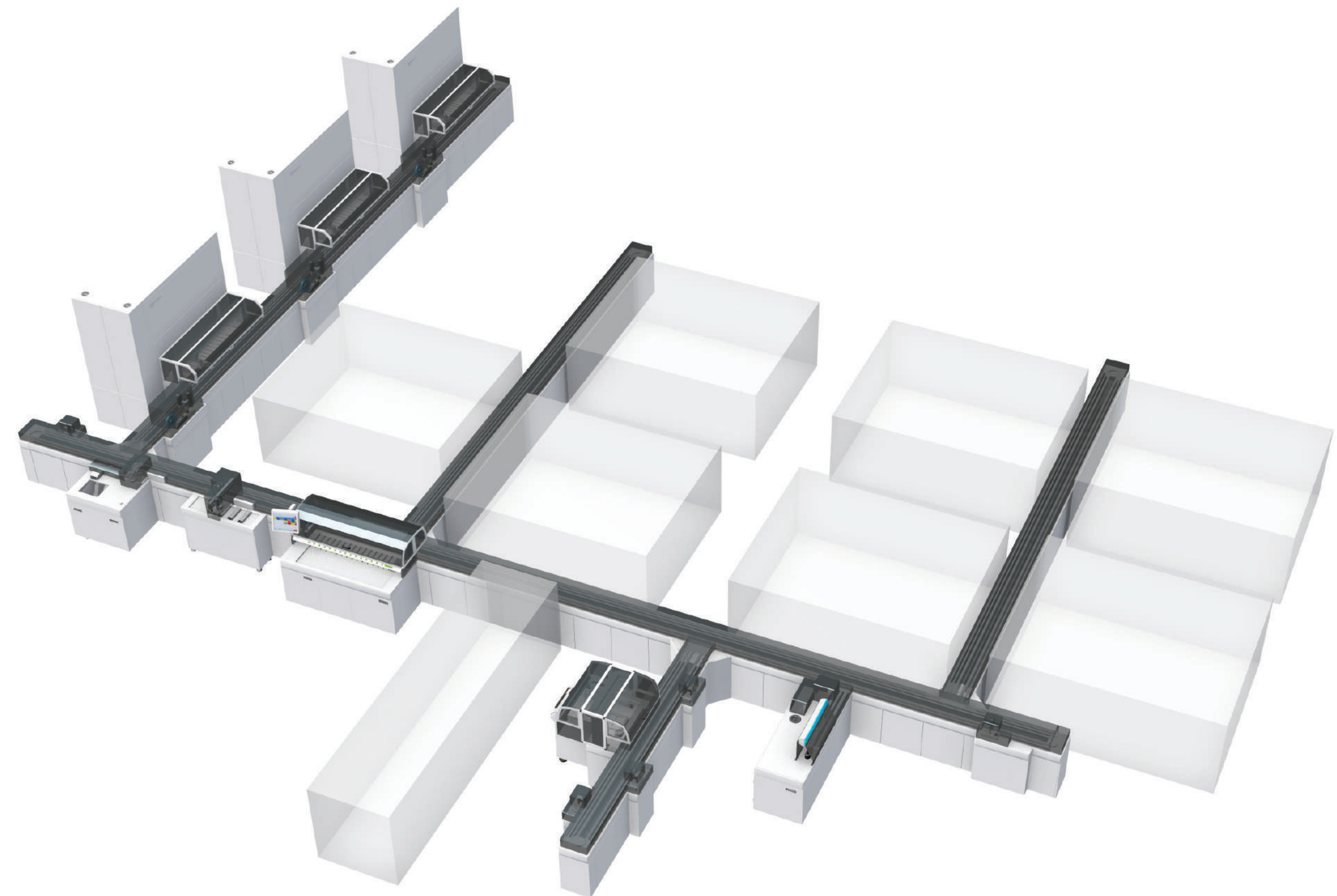
10.000
Tubes/day

20.000
Tubes/day

The Value Process efficiency with innovative solutions.

Many configurations
To fit any laboratory

If you:

✓ daily face operations and logistics challenges
✓ are looking for overall system efficiency
✓ need to store high volumes of samples

then you should consider FlexLab™!

Benefits of FlexLab™

> High Volume Storage modules (each up to 500.000 tubes)

> Real-time monitoring of system efficiency

> Full sample traceability (what/where/when)

> Tailor-made layout design to reduce staff circulation

Case 3
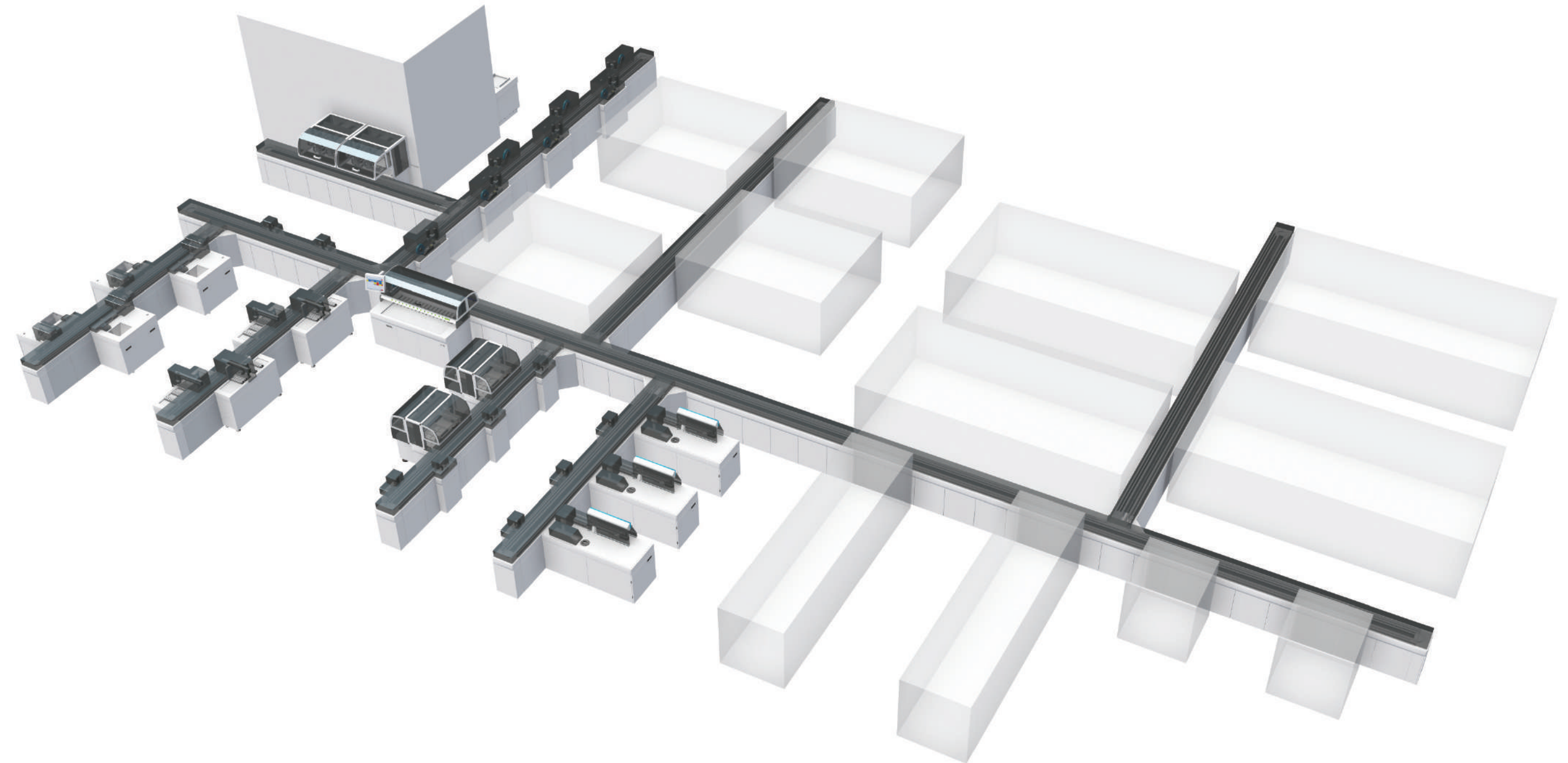
· Mega clinical laboratory
· Wide-spread geography of collection centers
· Storage of high sample volumes

50.000
Tubes/day

**The Value** Full independence with a tailor-made solution.

Innovative solutions

for demanding situations

Laboratories sometimes face unique challenges, like a workflow increase due to a consolidation, the expansion of the lab's footprint to other floors or the integration of new specialties in the CoreLab. Being the global leader in healthcare automation, Inpeco has developed innovative modules that cope even with the most demanding situations.
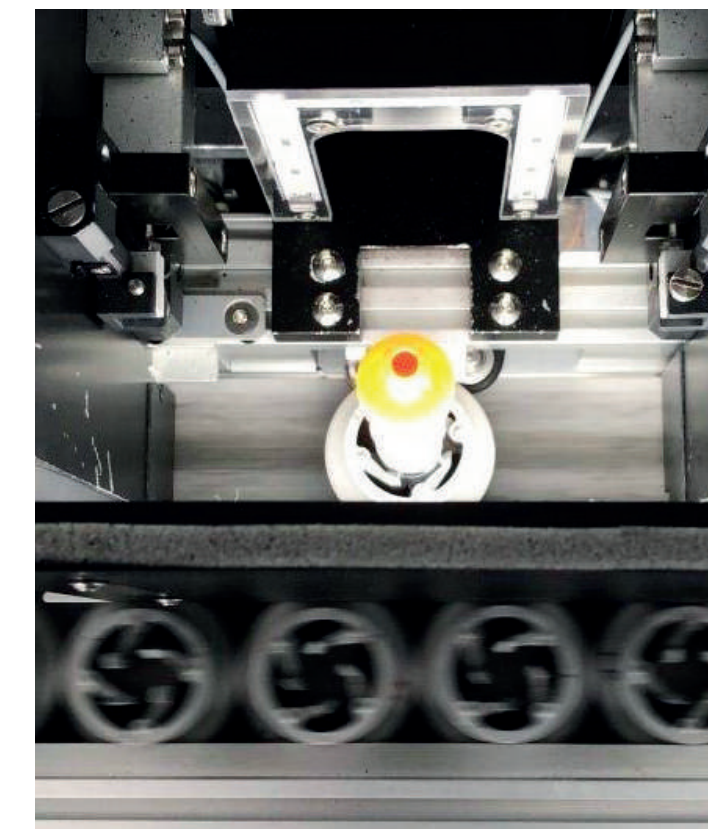
Vertical Trasportation Module*

It tansports the tube to the upper floors, thus integrating the tracks and allowing for a real 3D laboratory expansion.
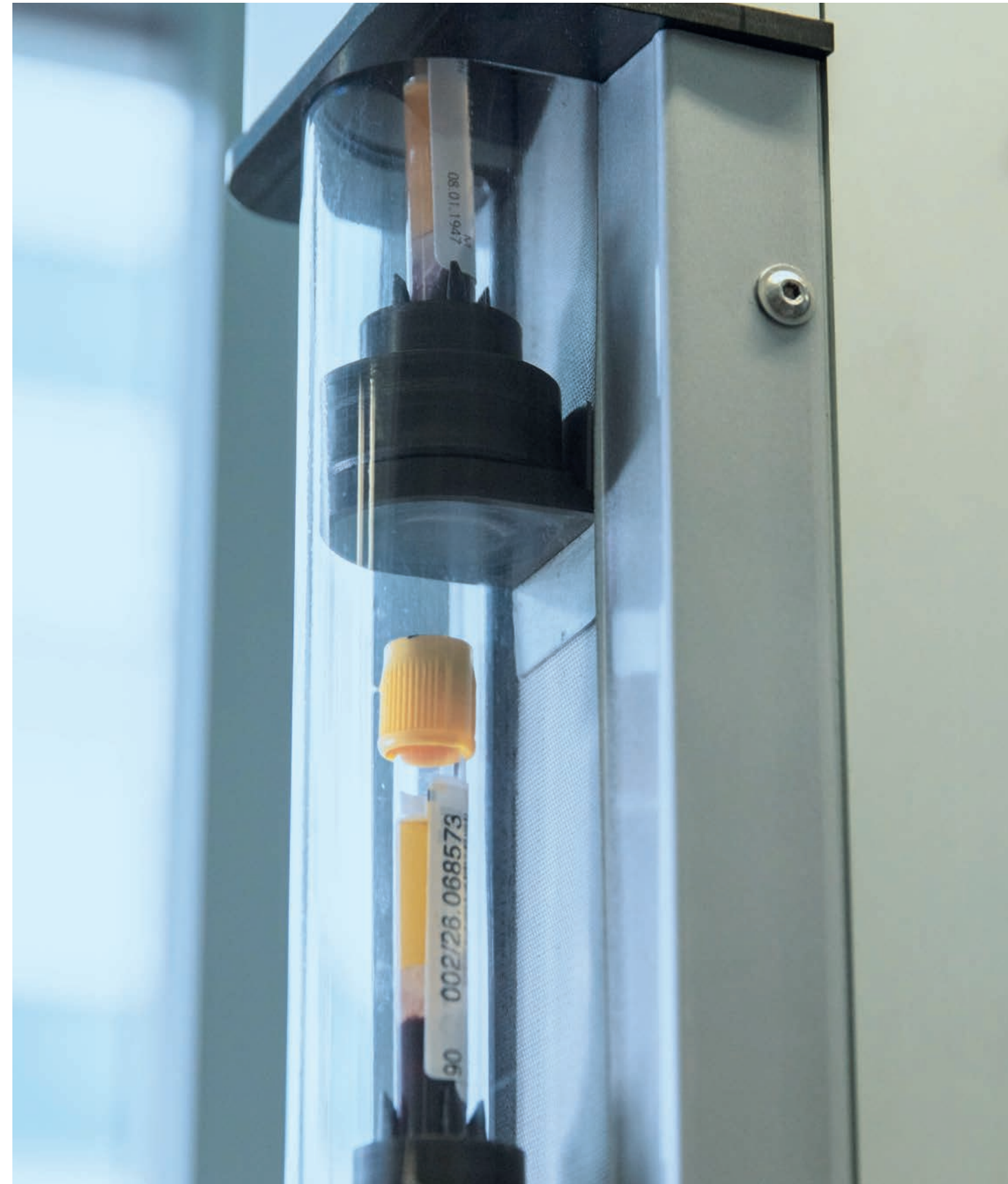
High Volume Storage*

Each module of this storage solution - fully automated with a traslo robot - can accomodate up to 500.000 tubes.

Sample Integrity Module*

The vision system device for the HIL (Hemolysis, Lipemia, and Icterus) indexes estimation.

*Only available for some FlexLab models.

Data Analytics System

Workflow management without compromise

Day in, day out, clinical laboratories generate huge amounts of data. How this data is leveraged greatly influences the quality of your test results and the performance of your facility.

Data Analytics System transforms your data into actionable information.

It allows for real time monitoring of your automation system and assures full sample traceability. Moreover, its customizable reporting dashboard (graphs, KPIs) display TAT, module uptime, system throughput and quality indicators, allowing you to optimize your site's clinical, operational and financial performance.

Track overall events

Events by sample

Errors by sample

System uptime
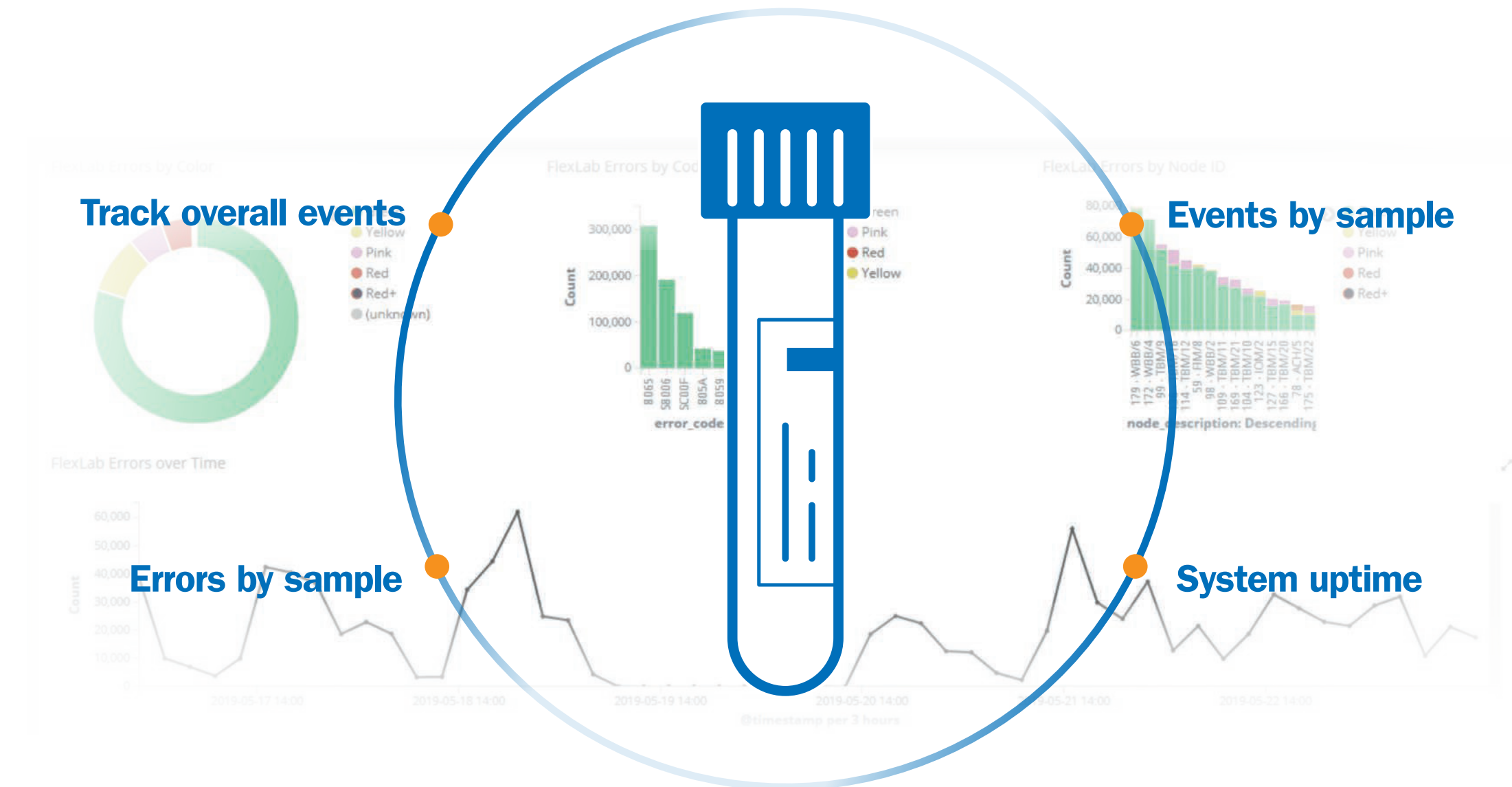
Key Features

- Automation Map showing status of modules and instruments connected to the Automation System
- Intuitive KPI dashboards and downloadable reports
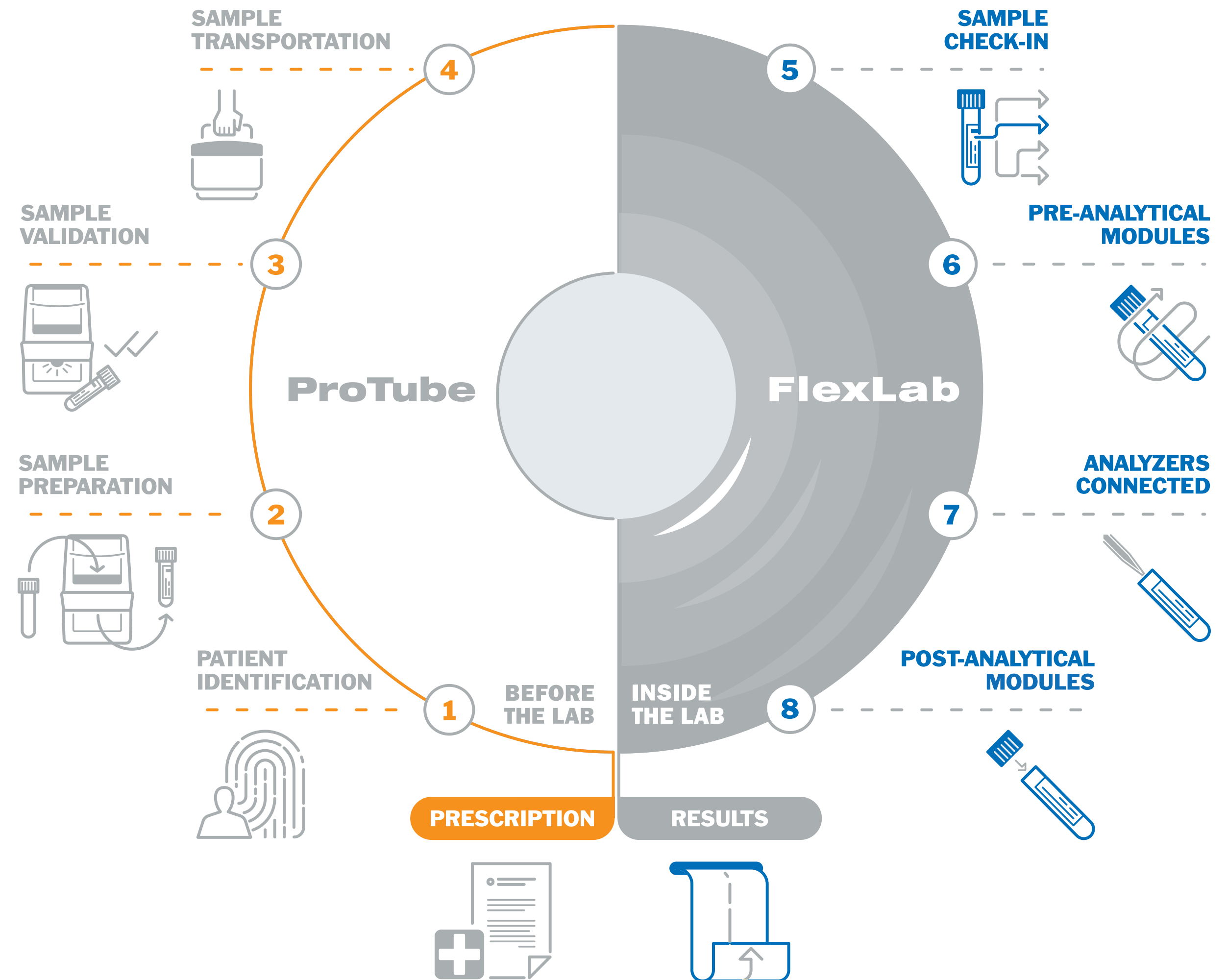- Traceability of single events and the full sample journey

Benefits

- At a glance monitoring of lab automation performance
- Actionable insights (KPIs) to improve clinical, operational, and financial performance
- Traceable quality test results

FlexLab - The Ideal Complement

Traceability along the whole total testing process

In combination, FlexLab™ and ProTube™ (the Inpeco's automated sample preparation solution) enable **open system automation** with **full sample traceability** across the Total Testing Process - for **validated test results** and **increased productivity.**

SAMPLE TRANSPORTATION

SAMPLE VALIDATION

SAMPLE PREPARATION

PATIENT IDENTIFICATION

4

3

2

1

ProTube

BEFORE THE LAB

PRESCRIPTION

SAMPLE CHECK-IN

PRE-ANALYTICAL MODULES

ANALYZERS CONNECTED

POST-ANALYTICAL MODULES

5

6

7

8

FlexLab

INSIDE THE LAB

RESULTS

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INPECO SA
Via Torraccia 26,
6883 Novazzano - Switzerland
www.inpeco.com