

OUR SOLUTIONS FOR SAMPLE LOGISTICS

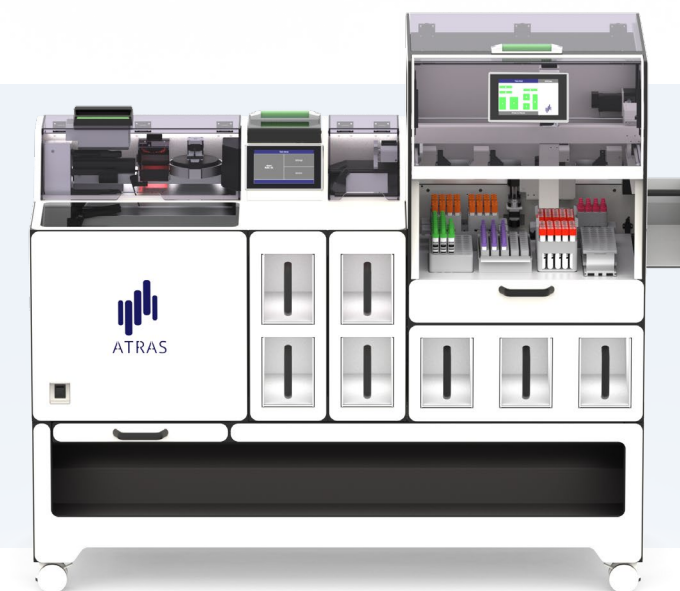
ATRAS

Cost-efficient bulk loading and sorting

Benefit from numerous output configurations for sorting into bulk bins, racks and centrifuge buckets

Enjoy a throughput of approx. 3,000 samples/hr

Experience the reliability of the 4th ATRAS generation



InTrac

Seamless transportation of closed tubes

Create a fast and constant sample flow

Cut down walking distances

Transport samples barrier-free within the lab and to other floors

ATRAS

Registration and sorting of patient samples

InTrac

Transportation of closed samples within the medical laboratory

TriCollect

Save sample transportation to the laboratory without plastic waste

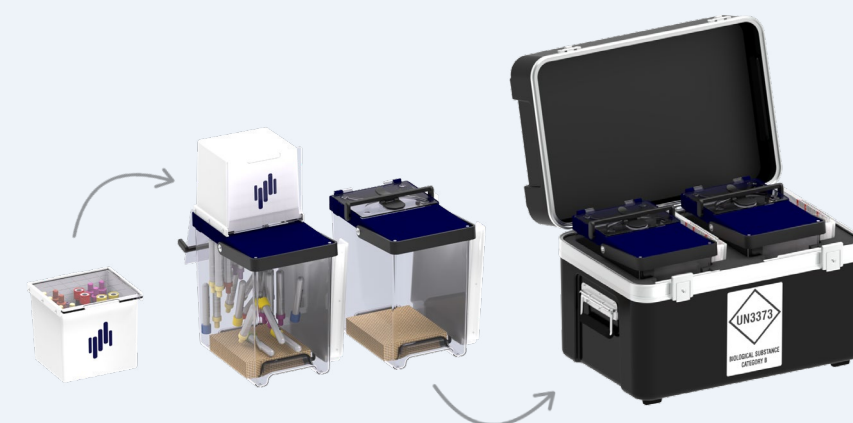
TriCollect

Sustainable sample transportation from sender to laboratory

Ensure safe handling and transportation of samples and request forms due to a patented and coherent concept

Eliminate costs of plastic bags

Reduce time used for sample unpacking



OUR SOLUTIONS FOR SAMPLE LOGISTICS

1 Sustainable sample transportation with TriCollect

With TriCollect patient samples are delivered safely and in accordance with the packing instruction P 650 (for category B substances – UN 3373) to the laboratory.

- Cost-effective and environmentally friendly due to prevention of plastic waste
- No unpacking of tubes

2 Continuous sample workflow starting at the sample reception

The InTrac transportation system carries the samples from reception to registration.

- Continuous sample workflow (FIFO)
- High degree of automation while maintaining a visual entry check
- Reduction of walking distances

3 Automated registration and sorting

The ATRAS registers and sorts the samples as bulk which relieves the employees.

- Avoidance of manual errors
- Early time stamp
- Plausibility check and sorting out of samples in questions
- Throughput of approx. 3,000 tubes/hr

4 Configurable registration and sorting

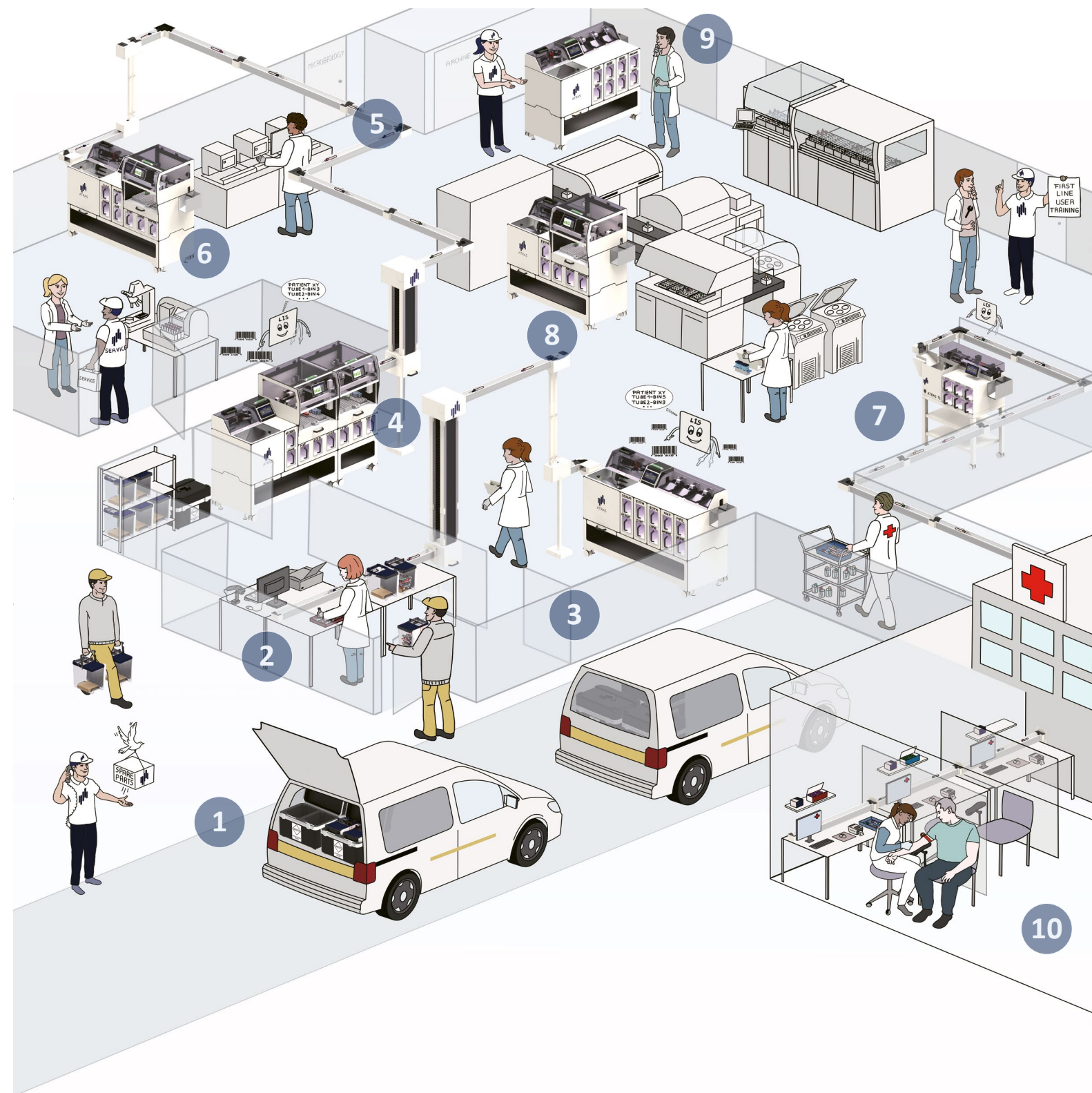
The combination of bulk, rack and InTrac provides a high degree of automation on a small footprint.

- Optimization of subsequent processes
- Sorting into customer-specific racks
- Distribution of tubes via InTrac to the next work area

5 Automated sample distribution through InTrac

InTrac continuously conveys the samples from the sample reception area to the work areas.

- Forwarding of samples to the work areas
- Overcoming obstacles and height differences
- Optional connection to ATRAS via InTrac Inlet



6 Process optimization of individual work areas - example hematology

The ATRAS optimizes the workflow in the hematology area by sub-distribution.

- Sorting into customer-specific racks
- Workflow optimization
- Continuous loading of ATRAS by InTrac Inlet

7 Compact registration and sorting

The ATRAS TS organizes the sample reception area on a footprint of only 0.4 m².

- Automated registration and sorting of all common sample tubes as bulk
- Continuous loading of the ATRAS TS by InTrac Inlet (optional)

8 Process optimization for TLA and TTA

Upstream of a TTA or TLA, the ATRAS performs a flexible presorting.

- Sorting out of samples for non-connected analyzer systems
- Loading of analyzer-specific racks and centrifuge buckets

9 Cost-effective automation of post analytics

The ATRAS provides a cost-effective solution for archiving closed samples as bulk on a small footprint.

- In case of re-testing/new analytical requests, the ATRAS is loaded with the archived samples
- The requested samples are sorted out

10 Continuous sample transportation in the phlebotomy area

After blood collection, samples are simply placed on InTrac and transported directly to the next station.

- Reduction of walking distances
- In line with the FIFO concept
- Connectivity of InTrac to ATRAS (optional)

T&O LabSystems GmbH & Co. KG
Leibnizstrasse 7
24568 Kaltenkirchen
Germany

to-labsystems.com/en
info@to-labsystems.com
+49 (0) 4191 99 13 88 3

