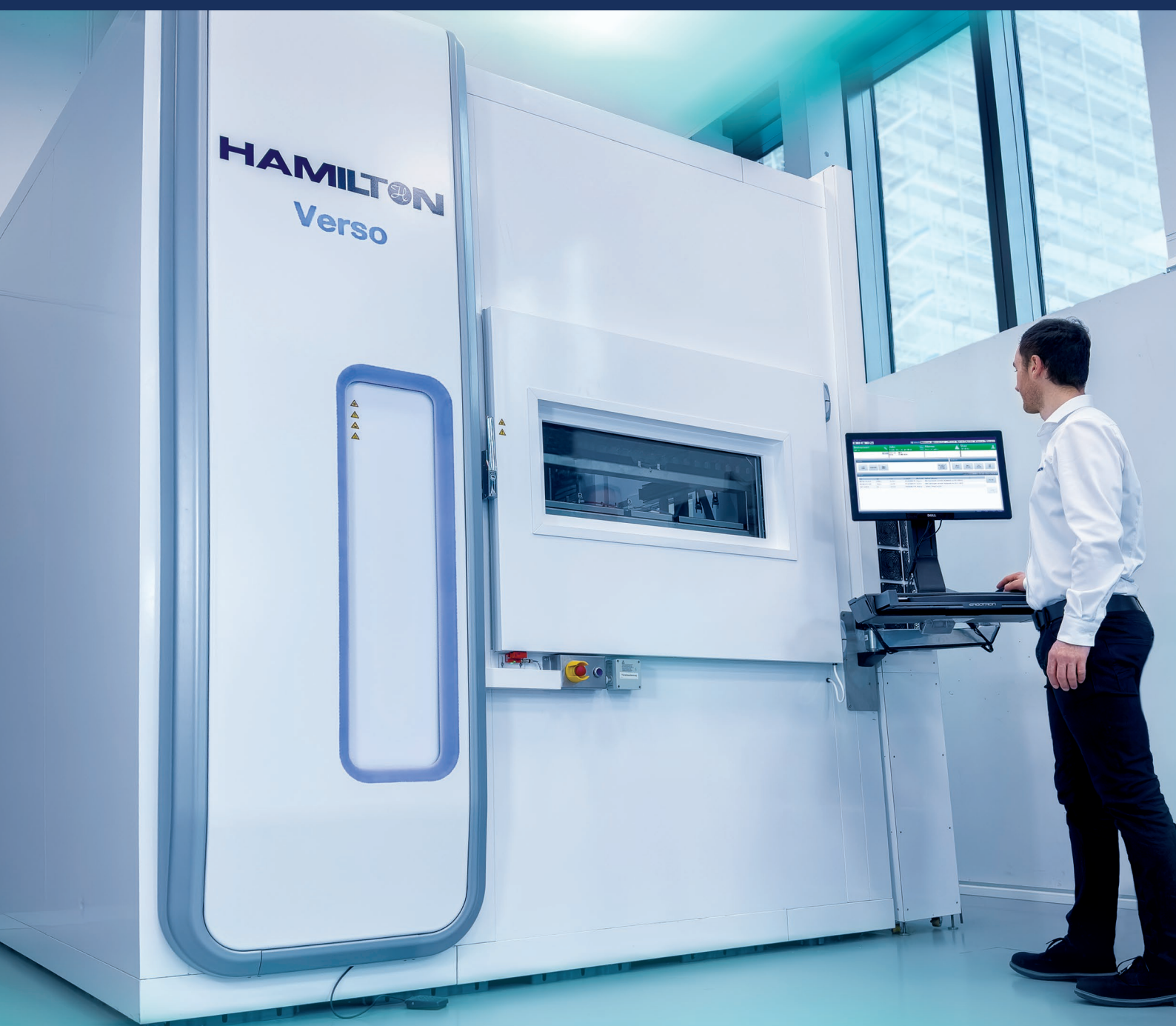


HAMILTON

Verso[®]

Automated Sample Storage System





A Modular Solution for Sample Management

Verso is an automated sample storage system easily configured to meet the needs of the most demanding sample management applications.

Researchers on five continents trust the reliability of Hamilton Storage systems. Verso is proving its outstanding performance every day to compound managers, forensic scientists, researchers, and many more. Verso enables people to perform their sample management tasks efficiently and rapidly. Moreover, it automatically tracks and records each movement made to each sample. By using Verso as a sample management system, frosted samples, lost samples, and delayed retrieval of samples will be a thing of the past.



Temperature Range:

-20°C to +20°C



Capacity:

100K to 72M



Throughput:

Up to 1,500 tubes/hour





Be Ready for the Future

A Storage System is a Long-term Investment. Since the Future Sometimes Comes with Unexpected Turns, Hamilton Made Verso Ready for the Future, Whatever the Future Brings.

- Process additional types of labware in the system by adding another tube picker head
- Speed up throughput by adding another tube picker module
- Increase capacity by expanding the system in your lab
- Increase capacity by upgrading to high-density storage using our RackWare® racks and trays



Be Flexible

Use your Choice of Labware

- Store and pick multiple labware in one system
- Standard configuration includes picking tubes and plates in one system
- Easily adapt to future changes



Scale to Fit Your Needs

Verso is built as a modular platform. There are more than 16 different length configurations available, as well as five different height configurations. The variety of configurations allows users to efficiently use the lab space available.

Whether it is a small system that uses a small empty spot in a lab, or a huge system that fills a whole building, both sizes work using the same technology. Regardless of the size, users will interact with the system exactly the same way.

Configure the System to Your Requirements

The modular approach of Verso allows more than 100,000 different system configurations to be built. Choose options such as:

- An active thawing module to thaw frozen samples to a liquid state for downstream workflows
- A hand-off module to integrate with a liquid handling system
- A barcode reader to read barcodes on the side of tubes
- A control system to achieve low humidity in the storage area

If more customization is required, Hamilton is happy to discuss your ideas in order to offer a solution to meet your unique requirements.





Be Instinctive

INSTINCT® S Software

- **Easy to use:** Daily routine operations can be learned in minutes, allowing new staff to be productive from the first day.
- **Hands-free loading:** Load the system by activating it with your foot. No need to put samples down to start an introduce job.
- **Powerful:** The Job Management engine allows jobs to run at different priorities, with the ability to pause and resume.
- **Auditability:** Automatic sample tracking and access control.



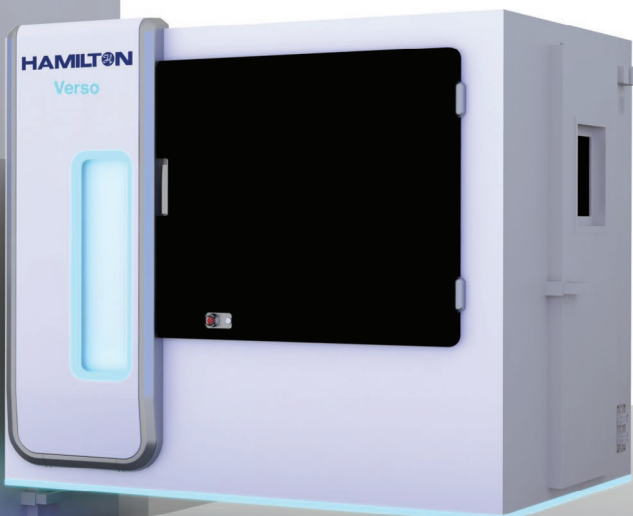
Be Ahead

Move your Science Ahead of the Competition

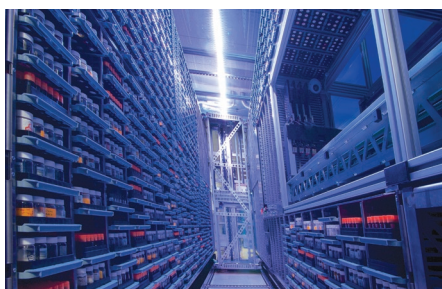
Hamilton invested years in research and development to build a first-class storage system. Instead of adapting an old platform, Verso was started from the ground up, allowing it to reach the next level.

Equipped with innovative technology—which is years ahead compared to other storage systems—Verso allows you to quickly reach your goals and move your science ahead of the competition.

- Very high processing speeds of up to 1,500 tubes/hour or 170 plates/hour
- Pick and punch tubes in one single module using the 96-Tube Picker-Puncher
- Easy and unique foot-switch enabled loading
- Up to 100 racks can be loaded or unloaded at once
- Optional dual tray shuttle on large systems to increase throughput
- Designed with linear motors to utilize next-level technology
- Simple, lean design creates an extremely reliable system



Applications



Compound Management

In compound management, Verso systems offer high-throughput combined with unmatched reliability. Compound managers benefit by having the ability to process large pick jobs overnight and use the powerful priority management system to prioritize these jobs. Verso handles all of the common labware types including acoustic dispensing plates, single-use 384-format tubes, as well as glass vials for dry powder storage.



Forensic Science

Sample storage in forensic science requires high-level security. Verso fulfills this requirement by offering a dedicated user management system, which is used to restrict access and system functions for each user. All sample moves are traced and a full audit trail is available. Additionally, Verso can be mechanically locked to eliminate unauthorized manual access. Dedicated forensic labware such as Hamilton AutoLys tubes or DNA collection cards can be stored and picked in one system.



Biobanking

In biobanking applications, Verso customers benefit from its capability to store and pick a large variety of different tubes in one system, as well as processing tubes and vials with 1D barcodes. This allows legacy collections to be transferred from manual freezers into automation. Furthermore, the redundant refrigeration ensures the samples stay at the desired temperature in case of an incident.

Specifications

This table lists the minimum and maximum dimensions of available Verso systems. Please contact your Hamilton Representative to receive information about the best suited system for your needs.

Dimensions		
Length	Depth	Height
2.5–22.5 m (8.20–73.81 ft)	2.2–2.4 m (7.22–7.87 ft)	2.3–4.8 m (7.55–15.75 ft)

Capacity Ranges	
Labware	Capacity Range
384-format tubes	1,400,000–72,000,000
0.3 mL, screw cap	264,000–18,810,000
1.4 mL, septum	143,000–10,270,000
1 dram vials	35,000–3,150,000
20 mL scintillation vials	9,000–454,000
Shallow-well plates	3,830–189,000

Storage Conditions	
Temperature	–20°C to +20°C (–4°F to 68°F)
Redundant Refrigeration	Optional
Humidity	Dry Environment (optional)
Inert Atmosphere	Nitrogen Environment (optional)

Throughput	
Tube picking speed	Up to 1,500 tubes/hour
Plate picking speed	Up to 170 plates/hour

Input/Output Capacity	
I/O Module Capacity	Up to 100 racks



Clinical Applications

Verso can store and pick the tubes commonly used in a clinical diagnostic environment. This includes all kinds of primary tubes, but also secondary tubes or tubes for long-term storage. Verso is used in short-term and long-term storage applications, as well as for DNA storage in genetic labs. With its intuitive user interface, the recall of samples can be done quickly and easily while eliminating the need to manually search for samples. Additionally, the collection of expired samples for disposal becomes a fully automated process.

Liquid Handling Integration

Link your Verso to a liquid handler such as Hamilton's Microlab® STAR or Microlab VANTAGE Liquid Handling System to build a fully automated processing center.



Be Connected

Laboratory Information Management System (LIMS)

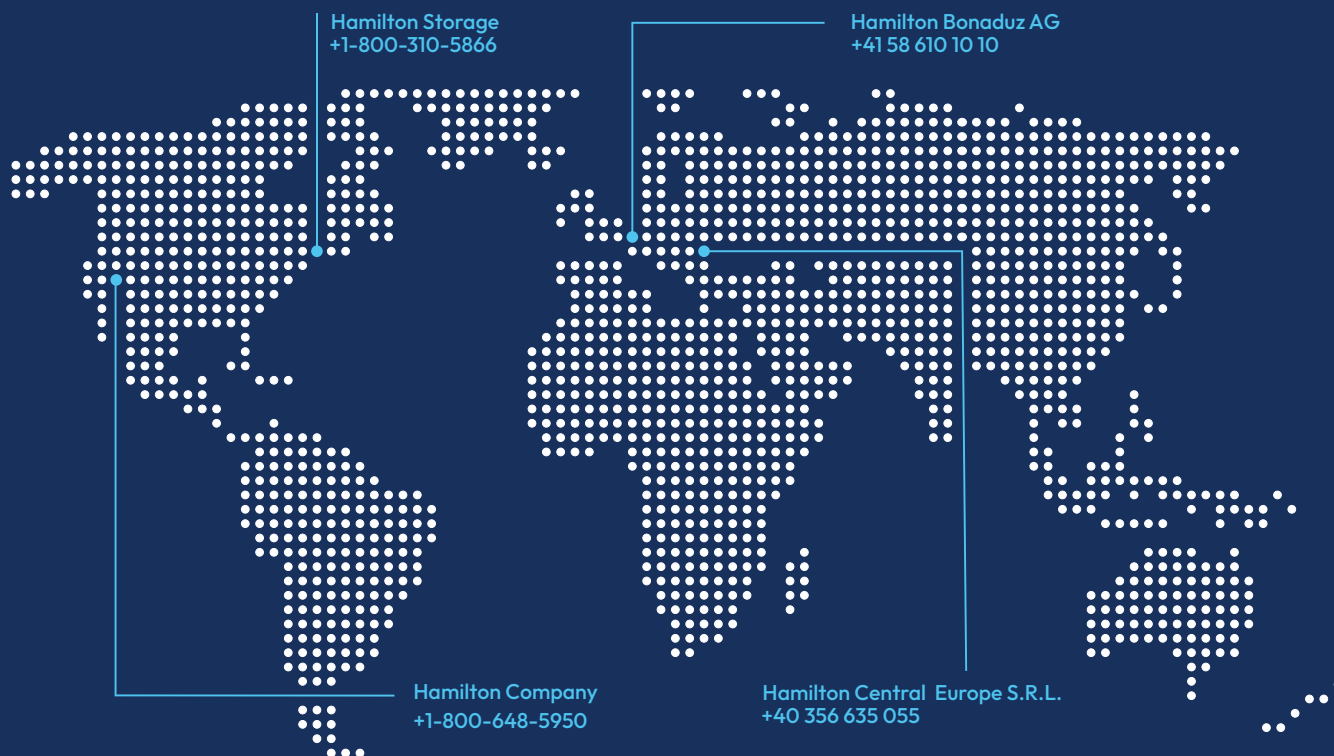
Simple, but powerful RESTful Application Programming Interface (API) allows easy integration:

- Trigger pick jobs directly from your LIMS system
- Receive information about finished jobs
- Different levels of integration possible

The following LIMS systems have been integrated and offer a driver for the Verso system:

- Titian Mosaic, LabWare LIMS™, LabVantage, and more





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● Headquarters / Manufacturing



Years of Experience
75+



Locations Worldwide
22+



Employees Internationally
3,000+

To find a representative in
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