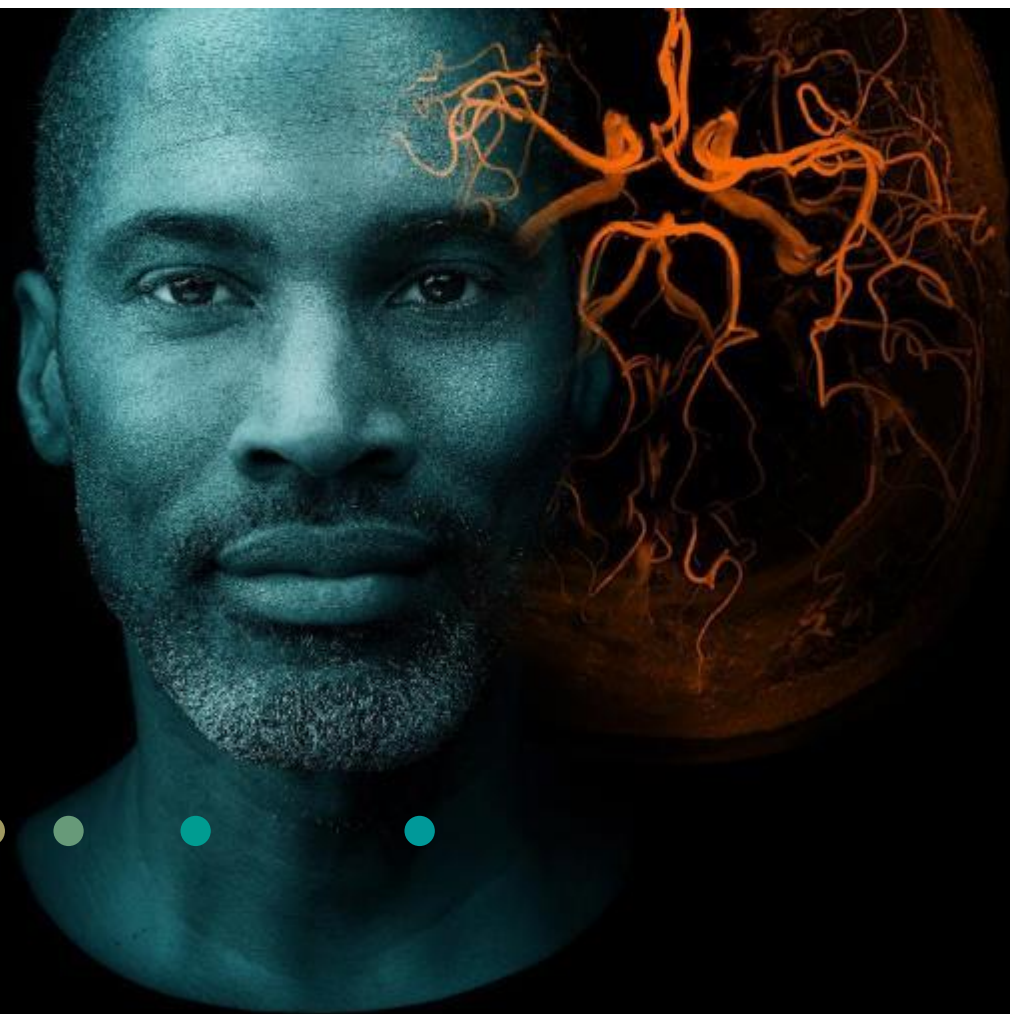


AIA

Atellica® Integrated Automation
*consolidates revolutionary sample
management technology*

April 2023



Atellica® Solution

Offering integrated automation in 6.5 m²



*6.5 m² equals the dimensions of the Atellica® Solution Scl configuration with AIA functions (e.g. decapping, sealing)
Product availability will vary by country.

Anatomy of Atellica® Integrated Automation

Exclusively available on Atellica Solution patented design

Atellica Sample Handler

- Holds up to 440 tubes
- Runs up to 500 tubes/hour
- Cal/QC with auto deployment
- 60 QC and Cal materials stored onboard in dedicated refrigerated area
- Sorting & archiving



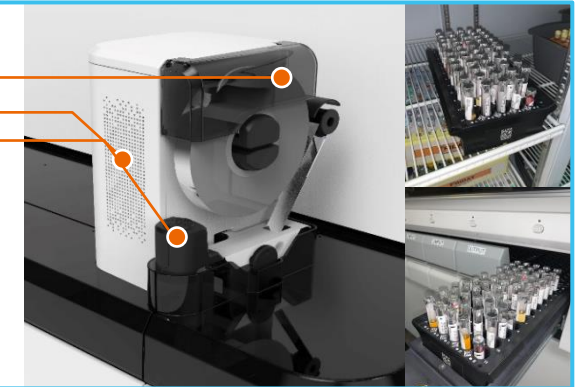
Atellica Decapper

- Integrated decapper with 3 placement options on platform
- Decaps 300-500 tubes/hour



Atellica Sealer

- 20,000 seals/roll
- Heat Sealer
- Up to 480 tubes/hour
- Can store sealed samples in Atellica Archive Racks

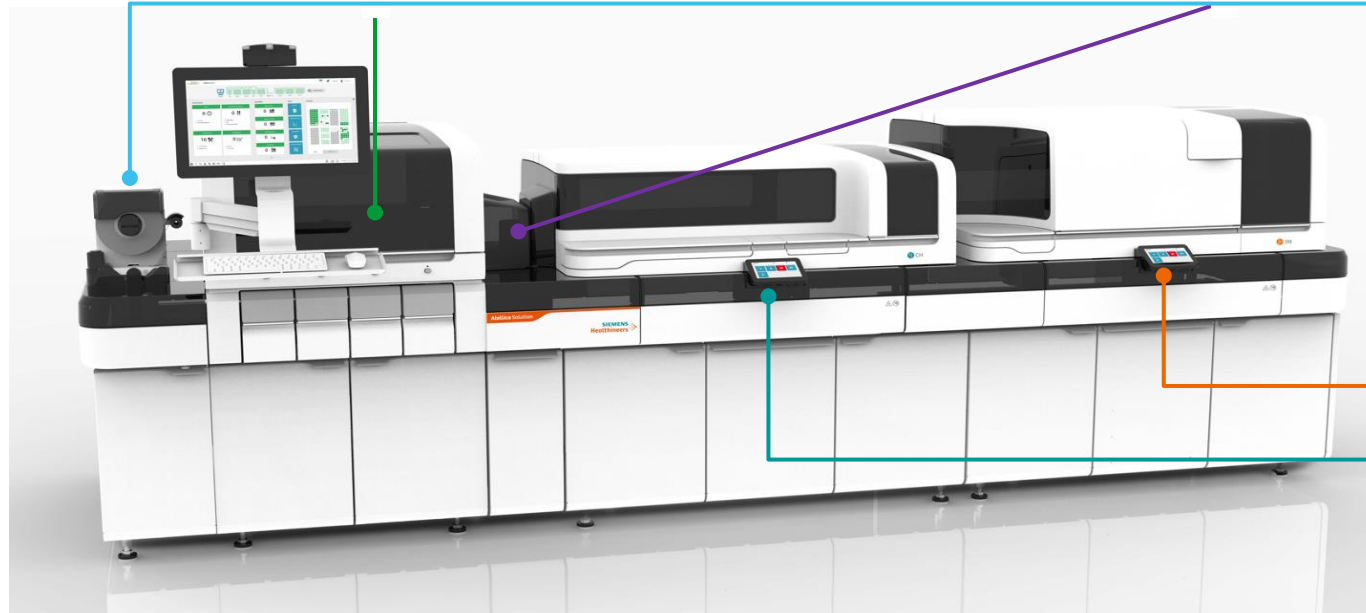


Atellica CH 930

- Up to 1800 TPH
- 70 reagent positions
- Microvolume technology
- 127 CH assays OUS*

Atellica IM 1300/1600

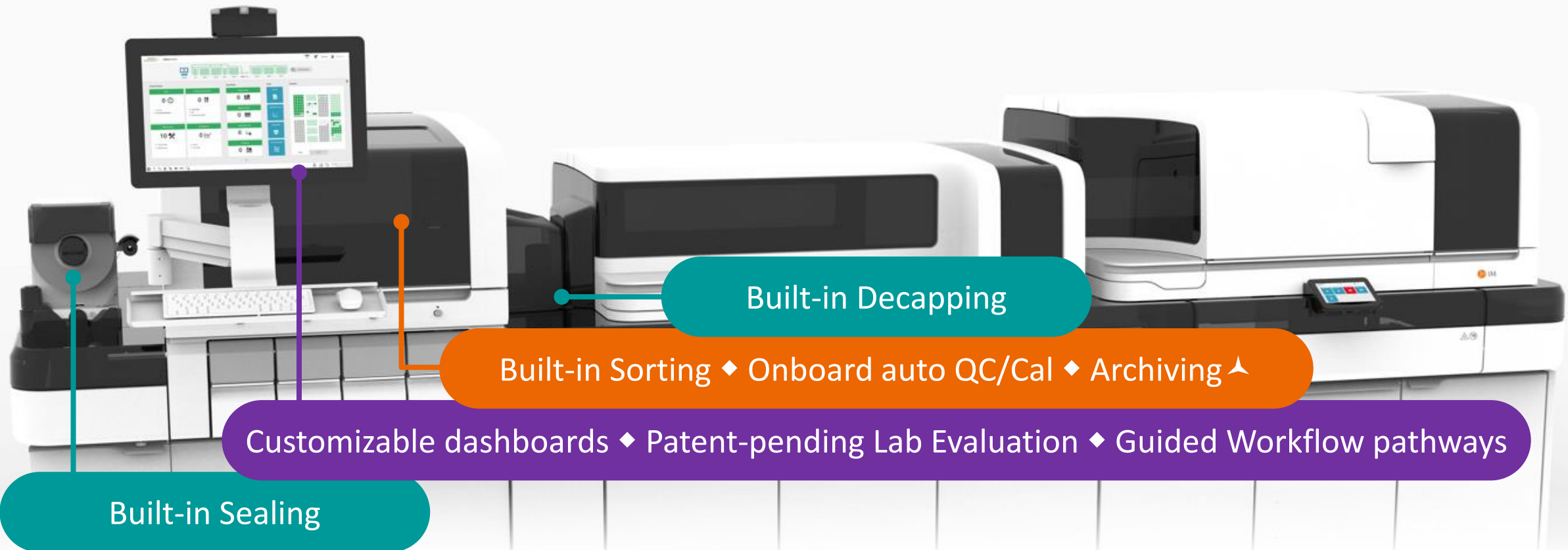
- Up to 220*/440* TPH
- 42 primary reagents plus 35 ancillary reagent positions
- 87 IM assays OUS*



Atellica® Integration Automation

Atellica® Solution patented design provides integrated automation in just 6.5 m²*

Revolutionary sample management ♦ **Automation Functions** ♦ **Intelligent Software & IT capabilities**
integrated & all consolidated on a single platform



*Dependent upon test mix. Product availability will vary by country.

▲ Utilizing Atellica Archive Racks

Automated clinical analyzer system and method; patent number 11378583

Built-in Revolutionary Sample Management Technology

Benefits



Automated

management of QC &
calibration materials
to reduce errors



Reduces

operator
interaction



Saves

valuable time



Storage

of QC on system up to
30 days* for easy
access

Automatic Calibration and QC

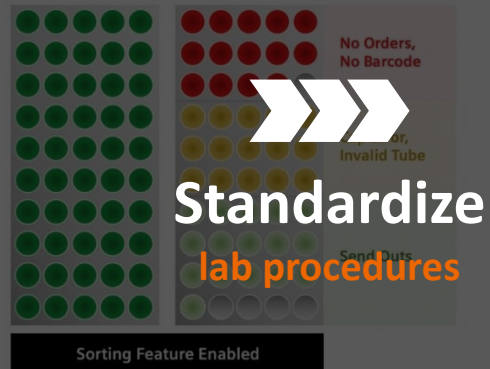
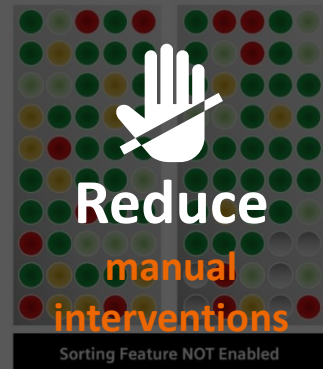
Automatic Scheduling

- Dedicated **60-position** refrigerated compartment
- **Customizable** scheduling
- **Automatic deployment** of materials
- Store materials **automatically** and tube **individually covered**

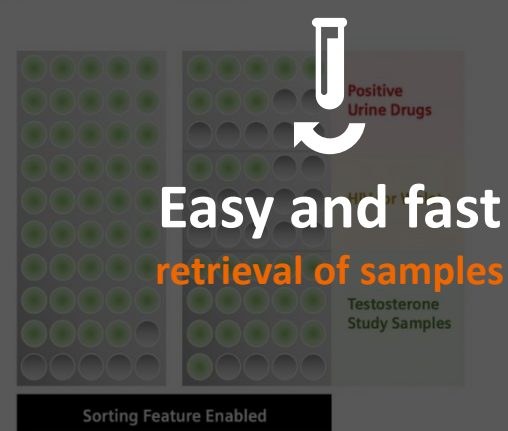
fully automated onboard Cal and QC

Atellica® Solution Benefits

Pre-Analytical Phase



Post-Analytical Phase



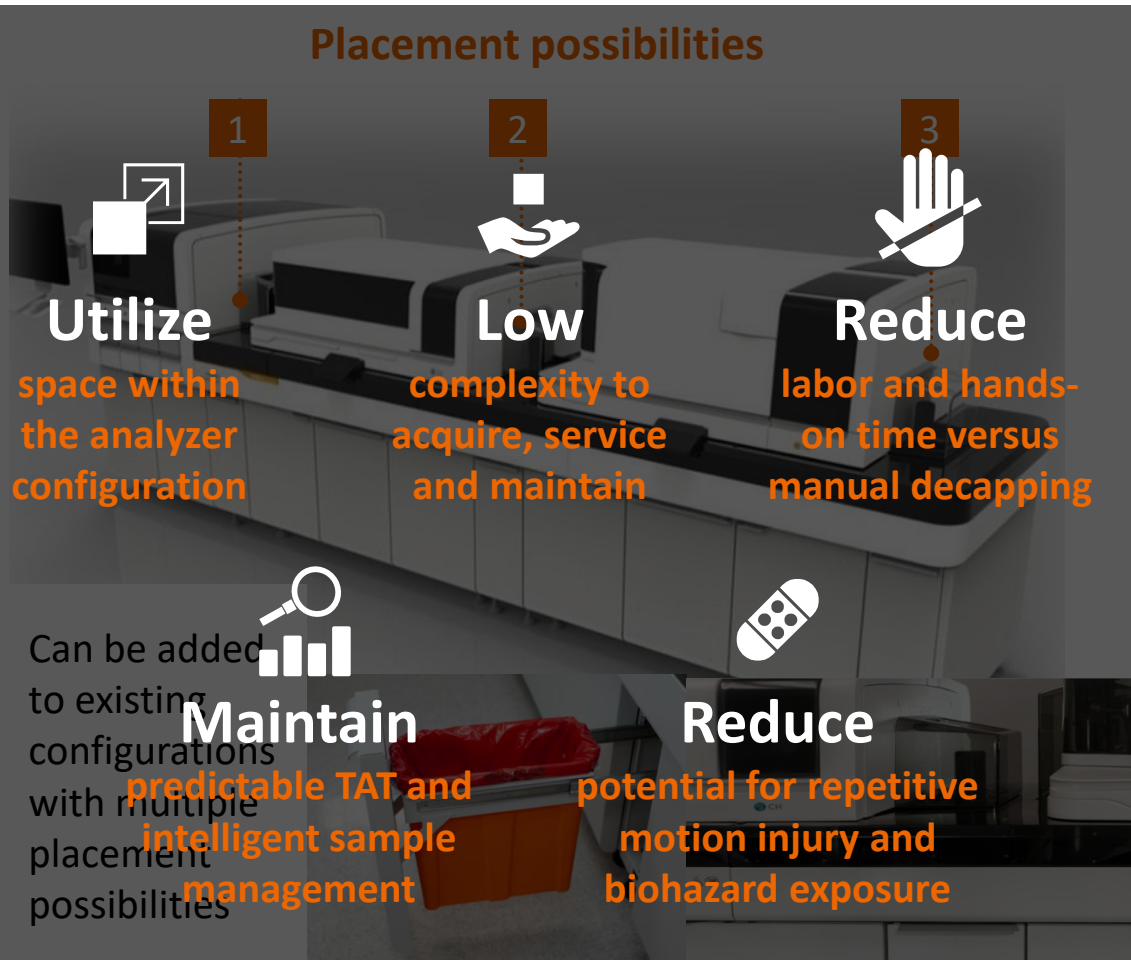
Sample Sorting

All Phases of Testing Covered

- Manage **pre-analytical, analytical, and post-analytical** testing phases
- CC/IA samples errors and sendouts
- Multi-rule sorting by rack, by row (e.g. sort patient demographics, results ranges and/or flags)
- Sorted racks visually displayed on the User Interface for easy identification

automatic, specific sample sorting & sort identification

Built-in Decapping with Atellica® Decapper



Up to three (3) Atellica® Decappers in a single configuration

Integrates Decapping with Little or No Additional Footprint

- 1** Between Atellica® Sample Handler and first analyzer
Throughput up to **300** tubes/hour // No additional footprint
- 2** Between two analyzers
Throughput up to **500** tubes/hour // Additional footprint 25.4 cm/10 in
- 3** At the end of a configuration
Throughput up to **500** tubes/hour // Additional footprint 25.4 cm/10 in

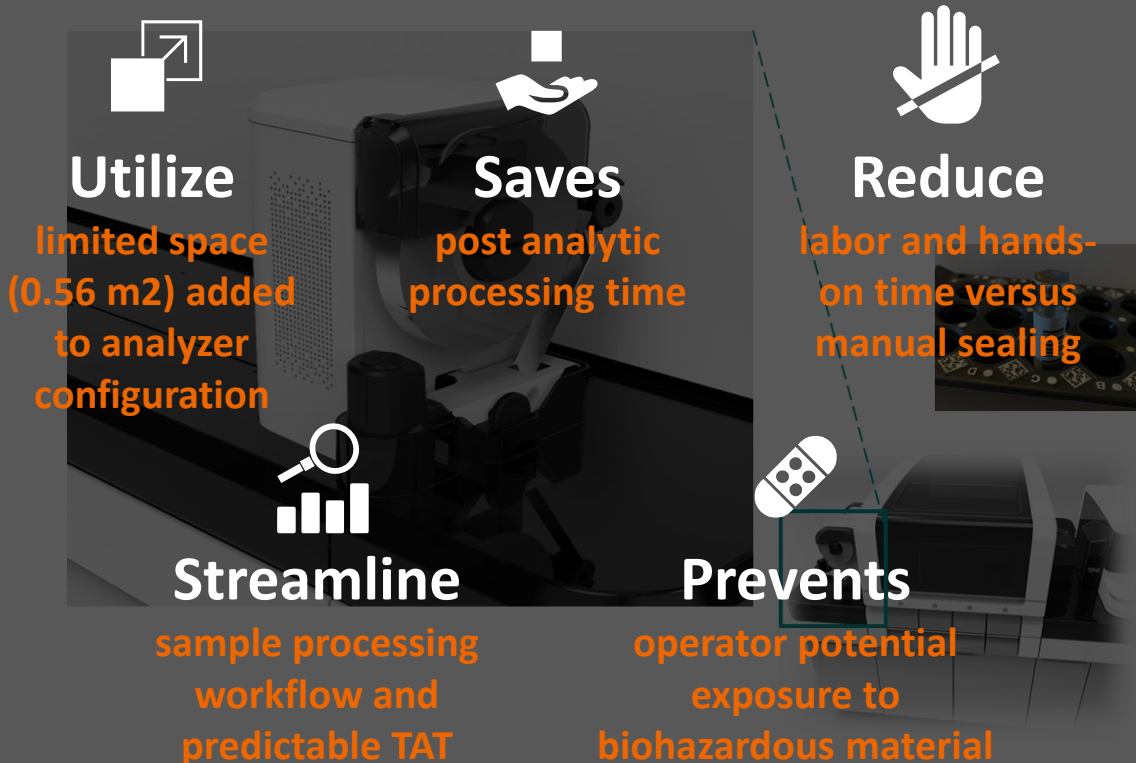
- Designed to decap a majority of the tubes validated on the Atellica® Solution†
- Waste bin holds 2000 caps in biohazard bags

automatic, processes majority tubes

†Excludes glass tubes, tube-top sample cups and capillary tubes, tubes with non-flat rim, false-bottom tubes, and calibration/QC material
Product availability varies by country.



Built-in Sealing with Atellica® Sealer



Reduces need for manual post-analytic processing

Integrates Sealing Occupying ~0.5 meters squared

- 1 Atellica Sealer can seal up to 480 tubes / hour
 - 2 Atellica Sealer is electric and uses power provided by the Atellica Sample Handler; no compressor or dedicated outlet required
 - 3 Easily replaceable foil reel contains 20,000 seals
- Can be configured to seal in **different strengths** to either support local upright storage with a lighter seal or a stronger seal to allow ground transportation to e.g. a hub laboratory
 - Designed to seal a majority of the tubes validated on the Atellica® Solution†

automatic, processes majority tubes

†Excludes glass tubes, rubber stoppers, pediatric (capillary) tubes, caps diameter

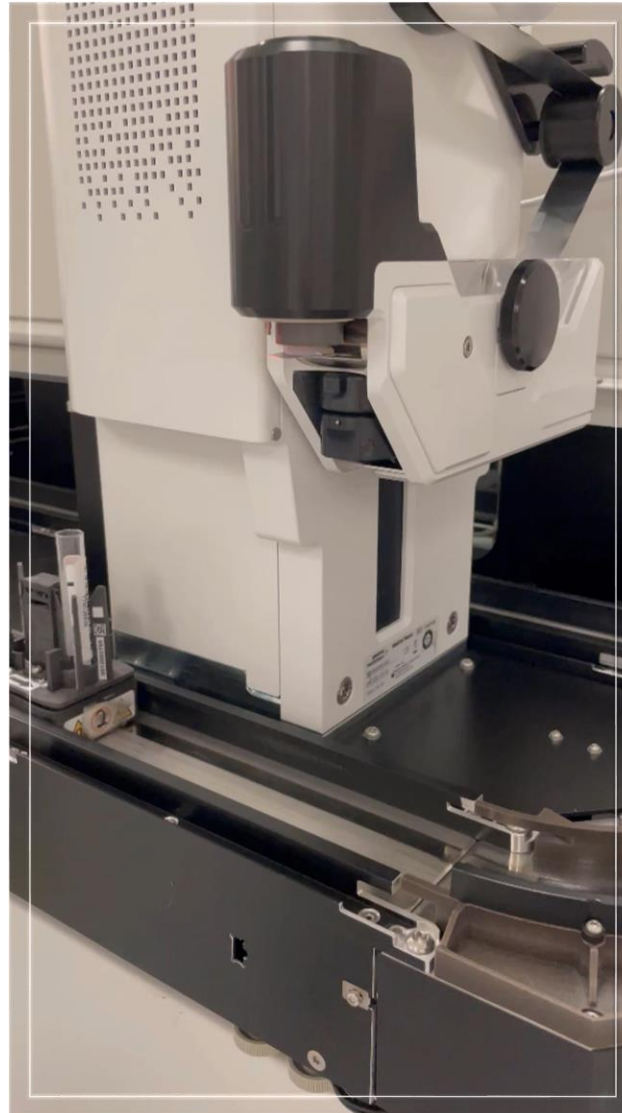
Atellica Sealer completes the sealing process in only 5 seconds

Arrival

Tube arrives at Atellica Sealer.

Sealing

Atellica Sealer head lowers down and foil seal is sealed on using induction heat.



Crimping

Secondary crimping is performed to minimize risk of gripper errors due to foil not being tight enough around the tube.

Complete

Sealed tube leaves to be sorted into output or Archive Rack.

Benefits



Reduce

Bio-Hazard
exposure



Standardize

lab procedures



Reduce

turnaround time
outliers



Easy and fast

retrieval of samples
reload samples

Sample Archiving

Offers 3 Levels of Archiving

1. Inclusive archiving function to help manage add-ons
2. Archiving function with the **Atellica Archive Racks** ready to store and retrieve samples
3. Integrated sealing and archiving **offers a completely closed-tube solution** for sample storage with data transmitted to LIS and easy sample retrieval

NOTE: Atellica Archive Rack has 55-positions, compact and lightweight

integrated and automatic

Benefits



Streamline
laboratory
workflow



Improved
processing of
results and samples



Meets
accreditation and
regulatory
requirements



Convenient
secure, and flexible
monitoring

Intelligent Software with Integrated IT

Integrated, Flexible and Customizable

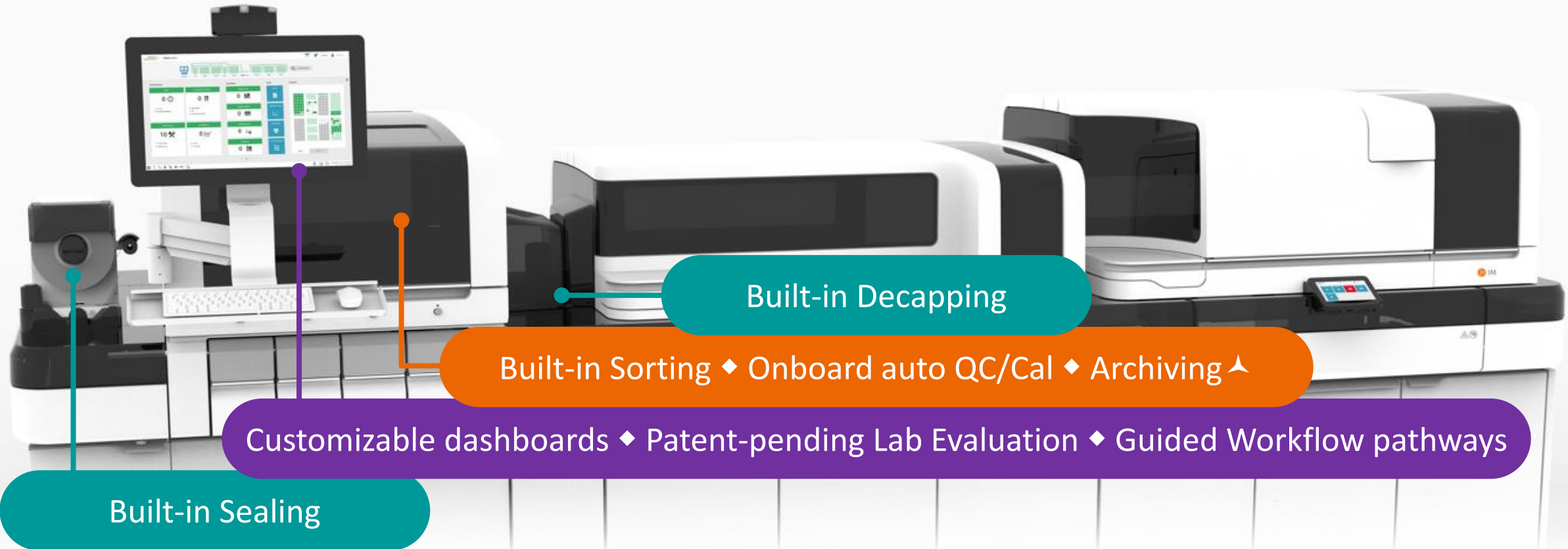
- Sophisticated onboard data management (e.g., **autoverification** verify results with ease; onboard QC/Cal process)
- **Patent-pending Lab Evaluation suite** of data analytics studies & reporting (e.g. reagent lot comparisons, QC parallel)
- **Remote support** management including troubleshooting, system health checks, and access to online educational tools
- **Atellica Asa™ Application** a tile-based tablet application organizes and prioritizes operator tasks

**sophisticated, yet simple, built-in software
seamlessly connects with your existing LIS**

Atellica® Integration Automation

Provides your laboratory integrated automation in just 6.5 m²* on Atellica® Solution

Revolutionary sample management ♦ **Automation Functions** ♦ **Intelligent Software & IT capabilities**
integrated & all consolidated on a single platform



*Dependent upon test mix. Product availability will vary by country.

▲ Utilizing Atellica Archive Racks

Automated clinical analyzer system and method; patent number 11378583

Built-in Revolutionary Sample Management Technology

Benefits



Flexibility

to adapt to
changing workload



Efficient

reduce sample
routing bottlenecks



Reduce

presorting and
aliquoting prior to
sample loading



Reduce

barcode reading
errors

Atellica® Sample Handler

High Capacity

- **440** sample capacity; **500** samples per hour
- **15-position** dedicated STAT racks
- Individual sample transport and direct tube aspiration
- **>50** tubes, cups, and special containers supported
- Multi-camera vision system; no need to sort or orient tubes
- Automated sorting, retrieval and archiving

independent sample control over every sample

Built-in Revolutionary Sample Management Technology

Benefits



Vision System

Unique Multi-camera Performance

- **Scans all samples** upon entry and checks sample container specifications
- **Tube characterization** (no sorting, checks the sample tube alignment for reliable aspiration)
- **360° barcode read** by 3-camera vision system

individual tube characterization

Built-in Revolutionary Sample Management Technology

Benefits



**Novel
workflow**
Individualized
Sample Routing



**Predictable
& Consistent**
TAT



Fast
transport and
protection of
precious samples

Atellica Magline® Transport

**Patented Magnetic Transport Technology Helps
Minimize Bottlenecks**

- Offers rapid, smooth, **bidirectional** and **variable-speed** transport
- **Seamlessly** handles STAT and routine processing in the same workflow
- **Proven, reliable** transport technology

bi-directional variable speed intelligence

Built-in Revolutionary Sample Management Technology

Benefits



Delivering
fast, consistent,
predictable TAT and
intelligent
scheduling



**Helps
Maximize**
throughput of
entire system,
including routines
& STATs

Atellica Magline® Transport

Unique Random-access Sampling for STAT & Routine Specimens

- **Intelligent software** continuously helps optimize sample routing at the analyzer, sample and test levels
- **Sophisticated** scheduling algorithms immediately prioritize STATs
- **STATs aspirated within 6-60 seconds** after barcode is read

intelligent sample routing



Atellica Integrated Automation* (AIA) in up to 6.5 m²

A differentiated and exclusive advantage for Atellica Solution!

Company	CC/IA Platforms	Offers Integrated Automation
Abbott	- Alinity ci series - ARCHITECT ci8200	----
Beckman	- AU5800 Series (chemistry only) - Dxl 800 (immunoassay only)	----
Ortho Clinical	- VITROS XT 7600 (newer integrated system) - VITROS 5600	----
Roche	- cobas pro (new integrated system) - cobas 6000 (legacy, replaced by cobas pro) - cobas 8000	----
SHS	Atellica Solution (Sci, Scl)	✓



Ortho Clinical Diagnostics



*6.5m² equals the dimensions of the Atellica® Solution Scl configuration with AIA functions (e.g. decapping, sealing)
Product availability will vary by country.

Atellica® Integrated Automation (AIA)

Exclusively available on Atellica Solution patented design



Key Functions of SH*, Magline Transport & User Interface:

- **Individual sample carriers** maximizes throughput (taxi vs. bus analogy).
- Bidirectional **Atellica Magline® Transport** system with intelligent scheduling for STAT prioritization (in ~60 secs) and routine sampling.
- Pre-, analytical- and post-analytical **sorting** capabilities reduce manual interventions saving valuable time, offers standardize lab procedures and minimize turnaround time outliers.
- **Onboard** 60-position **dedicated auto Cal and QC** refrigerated compartment with auto deployment helps optimize workflow on the platform.
- Process and **decap** up to 500 tubes/hour; **seals** up to 480 tubes/hour – require minimal additional footprint and reduces manual intervention. Additionally, these are exclusive integrated automation functions - no similar CC/IA analyzer has integrated.
- **Archive** sample **racks** for longer storage and tracking.
- A **User Interface** that goes beyond ‘command & control’ of system and data management functions. The UI also helps address modern laboratory issues (e.g. minimize training experience, accreditation requirements, ensure optimal workflow).
- High capacity to manage workload. **Load up to 440 sample tubes**, multiple types including direct loading of microtainers; no pouring off samples, no tube adapters require.

*Automated clinical analyzer system and method; patent number 11378583

▲ Dependent upon test mix. Product availability will vary by country.

Atellica® Solution

engineered to deliver control and simplicity so you can focus on driving better outcomes.

The **Atellica Solution** patented design directly addresses numerous clinical laboratory challenges. It integrates **immunoassay and clinical chemistry analyzers** setting a **new standard in sample-management technology** so laboratories can focus on driving better outcomes. This platform is designed for **mid-high volume sized** laboratories offering:

Product and services availability may vary from country to country and are subject to varying regulatory requirements.
Automated clinical analyzer system and method; patent number 11378583



- 1 **Atellica Integrated Automation** (e.g. sealing, sorting, archiving)
- 2 **Clinical excellence** – a comprehensive and growing **menu** that features **214 assays across 20 disease states**
- 3 Multiple **User Interfaces** and capabilities beyond system control and data management (e.g. patent-pending Lab Eval. Suite)
- 4 Unprecedented **flexibility** to future-proof your lab, **customizable** standalone **configurations** including linear, L, R, and U shapes with connection to Aptio Automation