HAMILTON

LabElite®

Automated Benchtop Devices

LabElite® Product Line

Automated Benchtop Devices

Whether used as a standalone device or integrated with automated sample storage and liquid handling systems, LabElite products are designed to add efficiency and speed to bench-level workflows. Our camera-based barcode reading solutions allow for fast and accurate sample tracking and inventory management, even for frozen samples. In addition, our automated and semi-automated decappers provide users with labware flexibility, reduced risk of contamination, and assurances your samples are reliably sealed.

LabElite Product Line Quick Reference Guide						
Feature	**DeCapper**	**DeCapper SL**	**I.D. Capper**	**Integrated I.D. Capper**	**Handheld DeCapper**	**I.D. Reader**
Easily swap decapping heads to decap tubes in 24-, 48-, and 96-format tube racks on a single device	■	■	■	■		
Easily swap adapter bits to decap tubes across a number of tube manufacturers	■	■	■	■	■	
Decap only tubes needed—all rows, selected rows or columns, or partial racks	■	■	■	■		
Process tubes in landscape format	■	■	■	■		
Process tubes in portrait format	■		■	■	■	
Operational as a standalone device or integrated with a Hamilton Robotics Liquid Handling System or third-party robotic arms	■	■	■	■		■
Preset torque levels to accommodate a variety of labware	■	■	■	■	■	
Single button execution to initiate process	■	■	■	■	■	■
Easily incorporate the device into existing VENUS software methods on the Microlab® STAR to streamline workflows	■	■	■	■		■
Compatible with SiLA (Standard in Laboratory Automation)	■	■	■	■		■

DeCapper and I.D. Capper

Automated Screw Cap Decapping

The DeCapper and I.D. Capper are easy-to-use devices that provide automated decapping/capping of tubes in 24-, 48-, and 96-format tube racks, with internal or external threads. The I.D. Capper combines decapping/capping and high-speed 2D barcode reading in one device without any additional hardware.

DeCapper and I.D. Capper Technical Specifications			
Dimensions (l x w x h)	600 mm (23.6 in) x 380 mm (15.0 in) x 440 mm (17.3 in)		
Supported Labware	Microtubes	0.25 mL to 1.4 mL	Hamilton, FluidX, Greiner, LVL, Matrix, Micronic, Nunc, and others*
	Cryovials	1 mL to 10 mL	FluidX, Greiner, LVL, Micronic, Nunc, and others*
Connection Interface	Ethernet for integration		
I.D. Capper-only specifications below			
Supported 1D Barcodes	2/5 Industrial / Interleaved, Code 39, Code 128, Pharmacode, Codabar, EAN 13		
Supported 2D Barcodes	Datamatrix ECC 200, PDF417, QR Code		
Connection Interface	Ethernet for Integration		
	USB 3.0 and ethernet for I.D. reading		

*Contact Hamilton for specific tube compatibility. Additional supported brands include specific labware types by: AltemisLab, Corning, DNA Genotek, Eppendorf, Nalgene, NEST, Rhinostics, among others.

DeCapper SL

Automated Screw Cap Decapping

The DeCapper SL offers automated decapping in a smaller footprint. The easy-to-use device provides automated decapping/capping of tubes in 24-, 48-, and 96-format tube racks, with internal or external threads. The device easily fits where bench space is limited thanks to a 20% smaller footprint compared to the standard LabElite DeCapper. The DeCapper SL can be operated as a standalone unit, or the screen can be mounted externally to a biosafety cabinet for enhanced workflows. Due to its smaller footprint and compact size, the DeCapper SL can be easily positioned next to liquid handling devices for access by on-deck grippers to move labware to and from the device. This maximizes space and leaves room for users to integrate other peripheral devices.

DeCapper SL Technical Specifications			
Dimensions (l x w x h)	533.5 mm (21.0 in) x 334 mm (13.1 in) x 452 mm (17.8 in)		
Supported Labware	Microtubes	0.25 mL to 1.4 mL	Hamilton, FluidX, Greiner, LVL, Matrix, Micronic, Nunc, and others*
	Cryovials	1 mL to 10 mL	Hamilton, FluidX, Greiner, LVL, Micronic, Nunc, and others*
Connection Interface	Ethernet for integration		

*Contact Hamilton for specific tube compatibility. Additional supported brands include specific labware types by: AltemisLab, Corning, DNA Genotek, Eppendorf, Nalgene, NEST, Rhinostics, among others.

Integrated I.D. Capper

Automated Screw Cap Decapping for Integration

The Integrated I.D. Capper features all the utility of the standalone version and allows users to seamlessly integrate these features with their Microlab STAR, Microlab VANTAGE, or third-party robotic system. With the addition of an extended linear rail, tube racks and cap-holder racks can be presented directly onto the deck of the STAR, VANTAGE, or third-party robotic system, allowing for easy automation of tube processing workflows.

Integrated I.D. Capper Technical Specifications			
Dimensions (l x w x h)	Configuration left of STAR Deck: 904 mm (35.6 in) x 380 mm (15.0 in) x 540 mm (21.3 in)		
	Configuration on STAR Deck: 770 mm (30.3 in) x 380 mm (15.0 in) x 540 mm (21.3 in)		
Supported Labware	Microtubes	0.25 mL to 1.4 mL	Hamilton, FluidX, Greiner, LVL, Matrix, Micronic, Nunc, and others*
	Cryovials	1 mL to 10 mL	Hamilton, FluidX, Greiner, LVL, Micronic, Nunc, and others*
Supported 1D Barcodes	2/5 Industrial / Interleaved, Code 39, Code 128, Pharmacode, Codabar, EAN 13		
Supported 2D Barcodes	Datamatrix ECC 200, PDF417, QR Code		
Camera	10 megapixel CMOS		

*Contact Hamilton for specific tube compatibility. Additional supported brands include specific labware types by: AltemisLab, Corning, DNA Genotek, Eppendorf, Nalgene, NEST, Rhinostics, among others.

Handheld DeCapper

Semi-Automated Screw Cap Decapping

The Handheld DeCapper is designed to provide fast, repeatable 6-or 8-channel decapping/capping of tubes in 48- and 96-format tube racks with internal or external threads. The device incorporates the same interchangeable adapter technology used in Hamilton Storage's line of benchtop decappers, allowing for superior labware flexibility in terms of both brand and format. With an ergonomic grip, the Handheld DeCapper provides a user-friendly experience while adding efficiency and speed to workflows. Additionally, the device helps maintain sample integrity and prevent sample loss by capping tubes with optimal torque thanks to five preset torque levels to accommodate a variety of labware.

Handheld DeCapper Technical Specifications		
Dimensions (l x w x h)	11.38 cm (4.48 in) x 5.99 cm (2.36 in) x 25.5 cm (10.04 in)	
Weight	725 g (1.6 lb)	
Supported Labware	48-format	Hamilton, FluidX, Greiner, LVL, Micronic, Nunc, and others*
	96-format	Hamilton, FluidX, Greiner, LVL, Matrix, Micronic, Nunc, and others*

*Contact Hamilton for specific tube compatibility.

Torque Indicator		
Torque Indicator Level	Applied Capping Torque	
	8-Channel	6-Channel
1	40 mNm	70 mNm
2	60 mNm	90 mNm
3	80 mNm	120 mNm
4	100 mNm	200 mNm
5	120 mNm	250 mNm

All tolerances are ± 10 mNm

I.D. Reader

Automated Barcode Reading

The high-speed I.D. Reader automatically decodes 2D barcoded tubes on most common tube racks, including honeycomb-shaped racks, providing complete sample tracking during sample processing. The I.D. Reader features ColdScan technology, which actively moves air across the scanning window to minimize condensation when scanning frozen tube racks. This allows the device to easily and accurately identify frozen samples, save time and ensure sample integrity by eliminating the need to thaw, and eliminate scan errors due to fog buildup.

I.D. Reader Technical Specifications	
Dimensions (l x w x h)	364 mm (14.3 in) x 181 mm (7.13 in) x 135 mm (5.3 in)
Supported Labware	12-, 24-, 48-, 96-, 384-format tube racks
Supported 1D Barcodes	2/5 Industrial / Interleaved, Code 39, Code 128, Pharmacode, Codabar, EAN 13
Supported 2D Barcodes	Datamatrix ECC 200, PDF417, QR Code
Camera	10 megapixel CMOS

*Contact Hamilton for specific tube compatibility.

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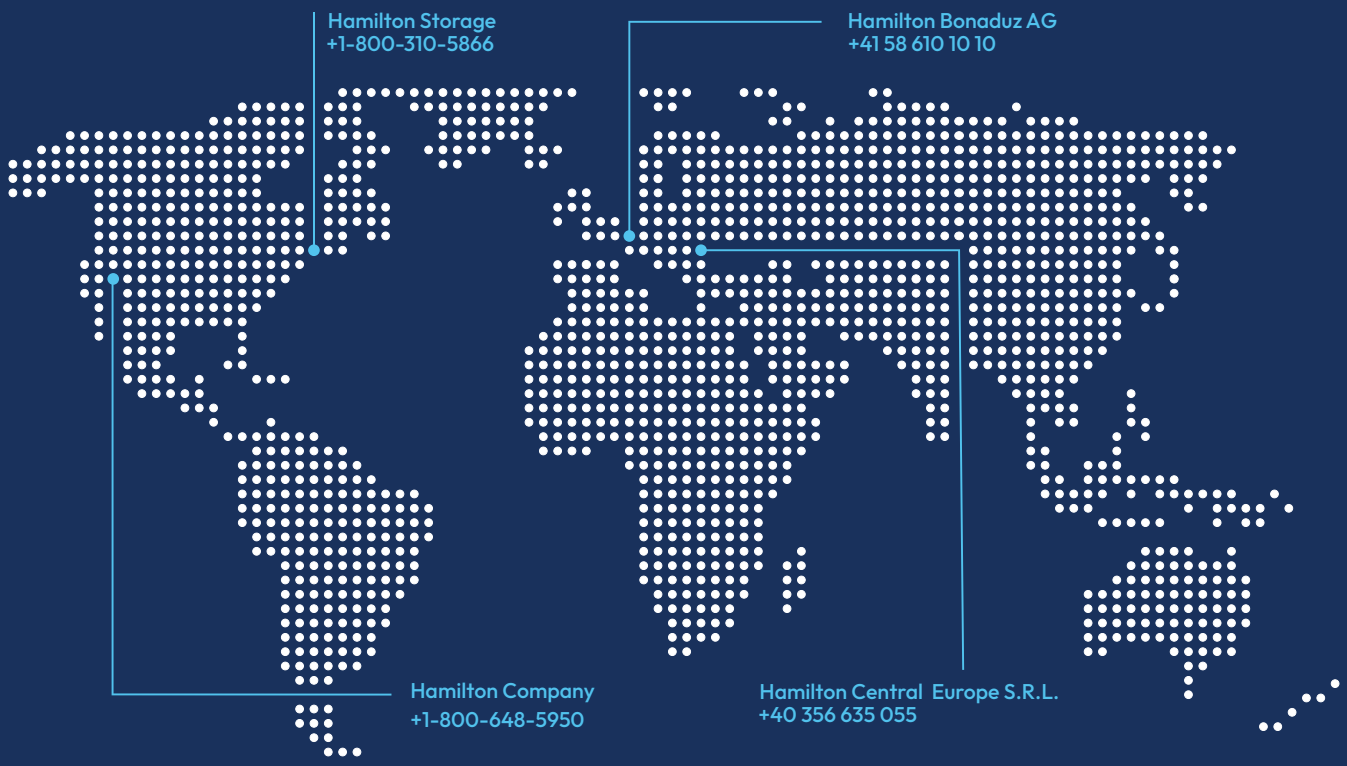

Years of Experience
75+

Locations Worldwide
22+

Employees Internationally
3,000+

To find a representative in your area, please visit: www.hamiltoncompany.com/contacts

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