HAMILTON STORAGE

LabElite® Product Line

Benchtop Devices for Automated Decapping and Barcode Reading

Available in Canada from...

MJS BioLynx INC.

1-888-593-5969 • www.biolynx.ca • tech@biolynx.ca

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	FluidX, Greiner, LVL, Matrix, Micronic, and Nunc*
	Cryovials	1 mL to 10 mL**	FluidX, Greiner, LVL, Micronic, and Nunc
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		
Recommended PC	Windows 7 64-bit (Required), 2.8 GHz Core 2 Duo, 3GB RAM, 250GB HD, 16x DVD+/-RW		
Communication	One USB 2.0 port for the camera connection		

**Others available upon request.* ***Contact Hamilton for specific tube compatibility.*

DeCapper SL

Automated Screw Cap Decapping

The DeCapper SL is the latest device in the LabElite product line, and 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.

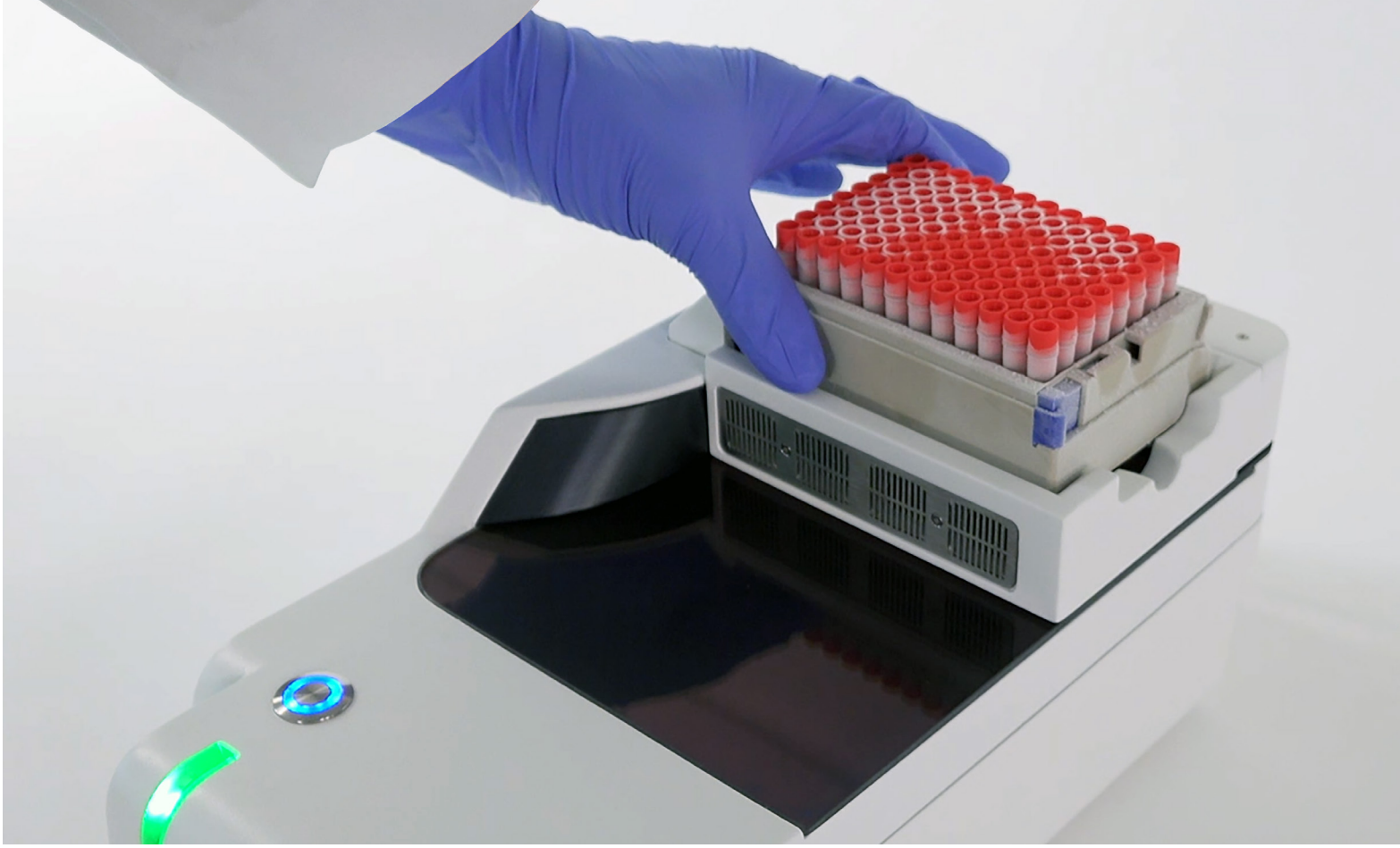
The device easily fits where bench space is limited due to its 20% decrease in size compared to the standard LabElite DeCapper. This device can be operated as a standalone unit, or integrated with Hamilton Robotics liquid handlers or third-party robotic arms.

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	FluidX, Greiner, LVL, Matrix, Micronic, and Nunc*
	Cryovials	1 mL to 10 mL**	FluidX, Greiner, LVL, Micronic, and Nunc
Connection Interface	Ethernet for integration		

**Others available upon request.* ***Contact Hamilton for specific tube compatibility.*



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.

Our new ColdScan technology actively moves air across the scanning window to minimize condensation when scanning frozen tube racks.

I.D. Reader Technical Specifications

Dimensions (l x w x h)	364 mm (14.3 in) x 135 mm (5.3 in) x 181 mm (7.13 in)	
Supported Labware	12-, 24-, 48-, 96-, 384-format tube racks	ABgene™, Axygen, Corning, Greiner, FluidX, LVL, Matrical, Matrix, Micronic, Nunc™, REMP®, and WHEATON®*
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	
Recommended PC	Windows 7 64-bit (Required), 2.8 GHz Core 2 Duo, 3GB RAM, 250GB HD, 16x DVD+/-RW	
Communication	One USB 2.0 port for the camera connection	

**Others available upon request.*

LabElite® Product Line

Benchtop Devices for Automated Decapping and Barcode Reading

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 your 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 decappers provide labware flexibility, reduce the risk of contamination, and ensure the samples are reliably sealed.

LabElite Product Line Quick Reference Guide

Feature	DeCapper	DeCapper SL	I.D. Capper	I.D. Reader
Easily swap decapping heads to decap tubes in 24-, 48-, and 96-format tube racks on a single device	■	■	■	
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	■	■	■	
Built-in Secure Mode ensures an optimal seal during capping to eliminate cross threading	■	■	■	
Minimize the time a tube is open using optional Row Loop Mode—only one row is processed at a time by holding caps after decapping and immediately recapping	■	■	■	
Single button execution of 1D and 2D scan			■	■
Easily incorporate the device into existing VENUS software methods on the Microlab® STAR to streamline workflows		■		
Scan frozen tubes using ColdScan technology				■
Process 96-format tube racks in less than three seconds and 384-format tube racks in five seconds			■	■
Compatible with SiLA (Standard in Laboratory Automation)	■	■	■	■
Multiple tube heights can be read within same rack			■	■
Smooth integration into LIMS or databases			■	■