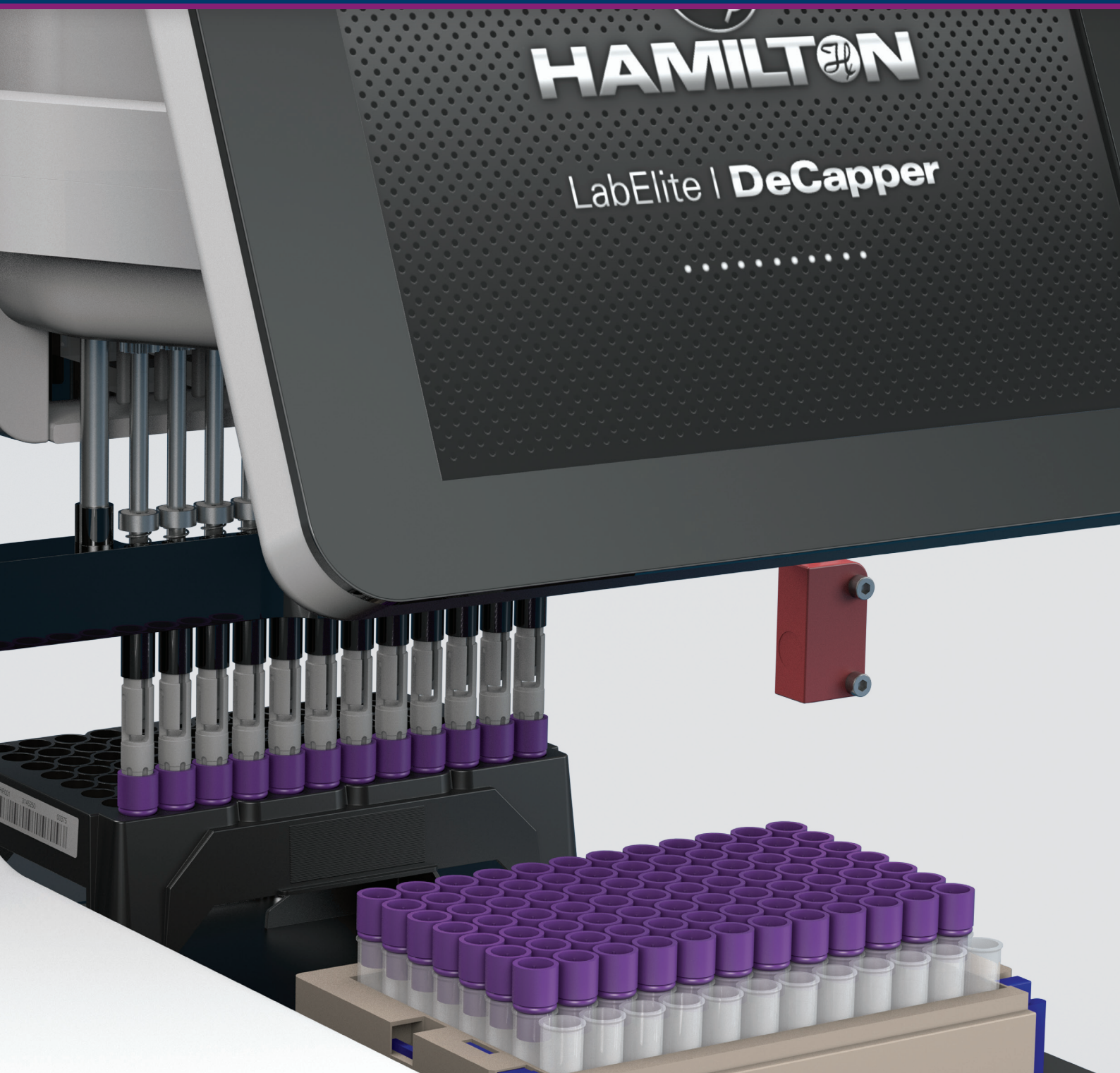


LabElite[®] Line

Benchtop devices for automated sample management.



I.D. Reader™

Automated barcode reading of samples.

The new high-speed I.D. Reader automatically decodes 2-D barcoded tubes on most common tube racks, including honeycomb-shaped racks, providing complete sample tracking during sample processing. Intelligent features like automatic rack type detection and integrated 1-D barcode reading set a new standard for tube rack readers.

The I.D. Reader combines 10 years of experience in imaging and decoding technology with top-notch hardware and software, providing users with a reliable device for tracking samples in their laboratory.



Features of the I.D. Reader:

- ▶ Processes a 96-tube rack in less than three seconds and a 384-tube rack in five seconds
- ▶ Cutting-edge decoding technology allows for robust and secure identification, even of challenging codes
- ▶ Optional 1-D barcode reading for racks
- ▶ Multiple tube heights can be read within the same rack
- ▶ Compatible with SiLA (Standard in Laboratory Automation)
- ▶ Highly-configurable output options for smooth integration into LIMS or databases
- ▶ Compact and ergonomic design supports efficient workflow
- ▶ Automatically detects the tube rack type to use optimal settings
- ▶ Compatible with RackWare high-density SBS-footprint racks to increase storage capacity

Technical Specifications:

Dimensions (l x w x h)	364 mm x 135 mm x 181 mm (14.3 in x 5.3 in x 7.13 in)
Supported Labware	12-, 24-, 48-, 96-, 384-tube racks ABgene™, Axygen, Corning, FluidX, Greiner, LVL, Matrical, Matrix™, Micronic, Nunc™, REMP® and WHEATON®*
Supported 1-D Barcodes	2/5 Industrial / Interleaved, Code 39, Code 128, Pharmacode, Codabar, EAN 13
Supported 2-D 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.

DeCapper™ and I.D. Capper™

Automated decapping/capping of screw cap tubes and cryovials, with optional built-in 2-D barcode reading.

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

Features of the DeCapper and I.D. Capper:

- ▶ Easily swap decapping heads to decap tubes in both 48- and 96-tube racks on a single device (patent pending)
- ▶ Process a full rack of tubes or row of tubes in portrait or landscape format within one device (patent pending)
- ▶ Can be operated as a standalone device or integrated with a Microlab® VANTAGE Liquid Handling System™ or third-party robotic arms
- ▶ Point-of-use decapping limits the risk of exposure or contamination from environment
- ▶ Touchscreen panel provides easy navigation through the system
- ▶ New turntable allows racks to be automatically turned after decapping for better positioning in pipetting workflows
- ▶ Single-button execution of 2-D scan and automatic upload of barcode information to LIMS (I.D. Capper only)
- ▶ Compatible with AutoSwap™, a new accessory that allows users to switch between tube types without manual intervention



Technical Specifications:

Dimensions (l x w x h)		600 mm x 380 mm x 440 mm (23.6 in x 15.0 in x 17.3 in)
Supported Labware	Microtubes	0.25 mL to 1.4 mL Corning, FluidX, Greiner, LVL, Matrix™, Micronic, and Nunc™ *
	Cryovials	1 mL to 4 mL** FluidX, Greiner, Micronic and Nunc™
Connection Interface		Ethernet for integration
Recommended PC (I.D. Capper only)		Windows 7 64 bit (Required), 2.8 GHz Core 2 Duo, 3GB RAM, 250GB HD, 16x DVD+/-RW
Communication (I.D. Capper only)		One USB 2.0 port for the camera connection

*Others available upon request.

**Contact Hamilton for specific tube compatibility.

Integrated I.D. Capper™

Easy integration of decapping/capping and barcode reading with the Hamilton Microlab STAR™.

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

Features of the Integrated I.D. Capper:

- ▶ Decap 48- and 96-tube racks with internal and external threads from all common labware suppliers
- ▶ Multiple integration configuration options allows users to directly pipette into decapped tube racks in track positions 1 through 6, or conserve deck space and integrate left of Track 1
- ▶ Eliminates risk of cross contamination by not moving over opened tubes
- ▶ Automated 2-D barcode and 1-D side barcode reading
- ▶ Using optimized libraries, users can easily incorporate the device into existing VENUS software methods on the Microlab STAR and utilize all of its features to streamline workflows
- ▶ Simple touchscreen interface for walk-up access in between long automated runs
- ▶ Compatible with AutoSwap, a new accessory that allows users to switch between tube types without manual intervention



Technical Specifications:

Dimensions (l x w x h)	Configuration left of STAR Deck:	904 mm x 380 mm x 540 mm (35.6 in x 15.0 in x 21.3 in)
	Configuration on STAR Deck:	770 mm x 380 mm x 540 mm (30.3 in x 15.0 in x 21.3 in)
Supported Labware	Microtubes 0.25 mL to 1.4 mL	Corning, FluidX, Greiner, LVL, Matrix™, Micronic, Nunc™ *
	Cryovials 1 mL to 4 mL**	FluidX, Greiner, Micronic and Nunc™
Supported 2-D 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.
**Contact Hamilton for specific tube compatibility.

New Feature: AutoSwap™

Switch between tube types without manual intervention.

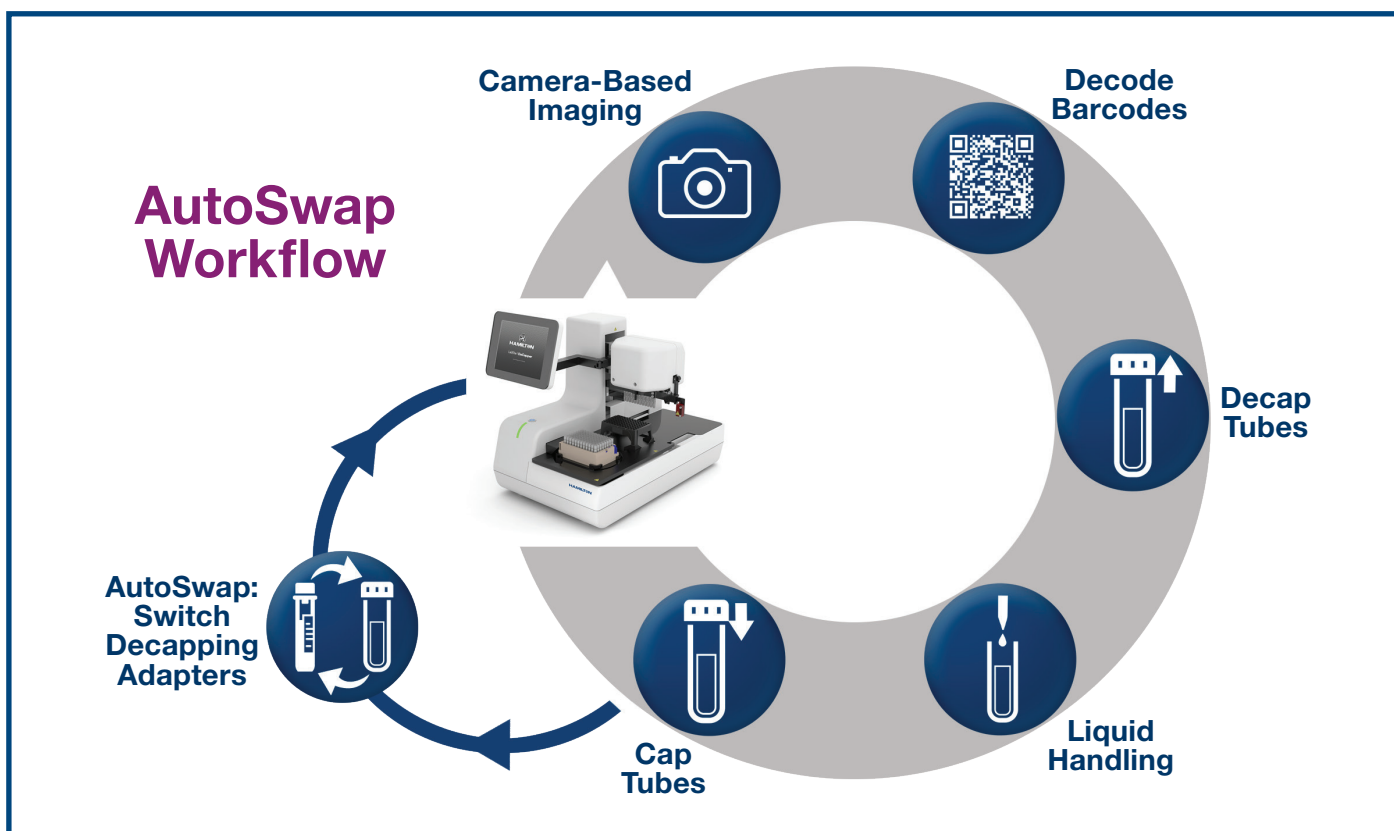
Save time and effort by swapping adapter sets automatically for easy processing of multiple labware types.

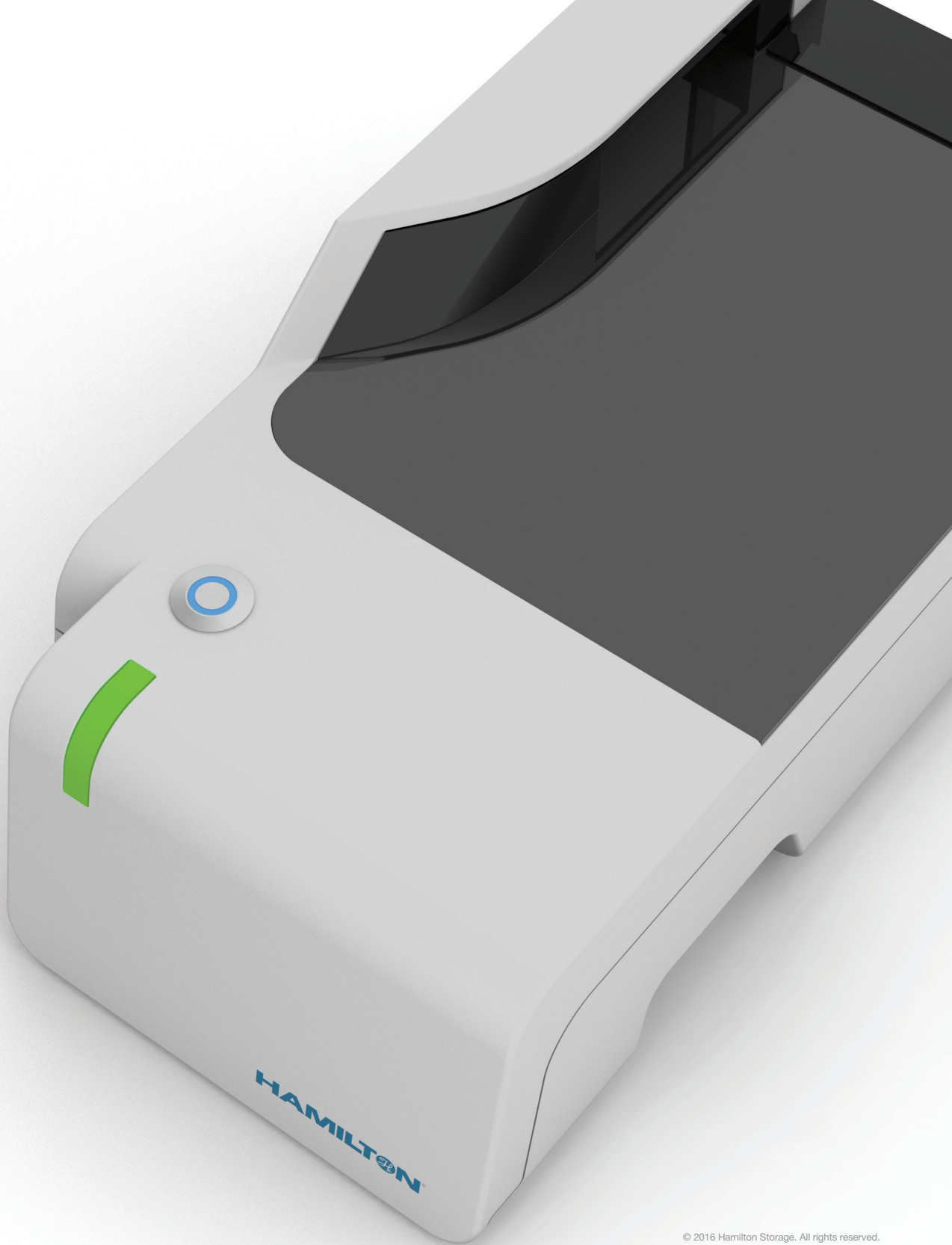
The patent-pending AutoSwap is an optional accessory that allows fast and easy switching of labware-specific decapper adapters on the fly without manual intervention, adding new functionality to the LabElite decapping devices.

The AutoSwap is ideal for any lab that requires sample storage, retrieval and processing for biobanking, compound management or forensics.

Features of the AutoSwap:

- ▶ Switches between any two sets of Hamilton adapters
- ▶ Adapters are compatible with tubes from all major manufacturers, in 96- or 48-well formats
- ▶ Can be used in integrated robotic workflows for walkaway automation involving multiple tube types
- ▶ Eliminates the need to stop a process to make manual adjustments for different tube types





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