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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
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Expert team | Trust guarantee | 100% satisfaction

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Find the *Biotage / Caliper / Zymark Sciclone ALH 3000* at our website: *Click HERE*

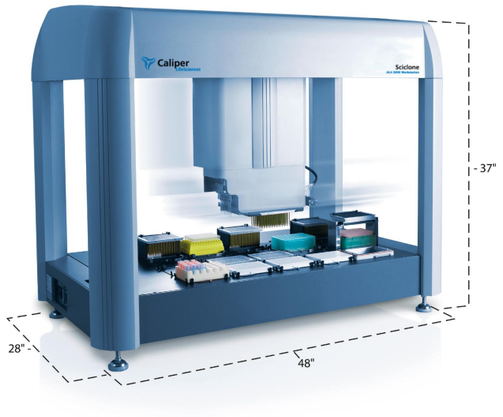
Performance

Liquid Handling Option	Volume Range	Characteristic Performance*	Tip Options
ALH-HV Pipetting Head (384 Channels)	1-200 µL	1-5 µL CV < 5% 5-200 µL: CV < 2%	100 or 200 µL disposable tips
ALH-LV Pipetting Head (384 Channels)	0.5-25 µL	0.5 2 µL: CV < 8% 2-25 µL: CV < 5%	96,384 deep, or 384/1536 fixed cannula arrays 96 or 384 mandrel arrays for disposable tips Custom V&P Scientific Pin tools
ALH-NL Pipetting Head (384 Channels)	0.1-5.0 µL	0.1- 0.5 µL: CV < 6% 0.5-5 µL: CV < 2%	96, or 384/1536 fixed cannula arrays Custom V&P Scientific Pin tools
ALH-Z8 Pipetting Head (8 Channels with independent Z-axis control)	0.5-200 µL with disposable tips	0.5- 5 µL: CV < 5% 5-200 µL: CV <3%	100 or 200 µL disposable tips
	0.5-50 µL with fixed cannula	0.5- 7 µL: CV < 3% 2-50 µL: CV < 2%	50 µL fixed cannula
Bulk Dispense Module with Syringe Pump (8 fixed channels)	10-2500 µL	10-20 µL: CV < 3% 20-2,500 µL: CV < 2%	Fixed cannula module

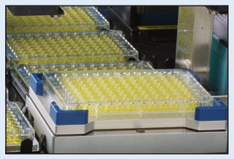
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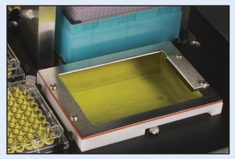
Worldwide Service and Support

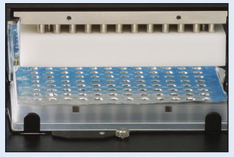
Every Caliper product is backed up by professional worldwide service and the support of specialists who understand your business and can ensure your success and satisfaction. We invite you to learn more about Caliper Life Sciences and our other lab automation and microfluidic platforms by visiting us at www.CaliperLS.com.



Unique Accessories to Enable Full Walk Away Automation


MICROPLATE SHAKER


ULTRASONIC WASH STATION


PLATE PIERCING ARRAY


TEMPERATURE CONTROLLED LOCATORS


POSITIVE PRESSURE FILTRATION


GRIPPER


NESTED TIP RACKS

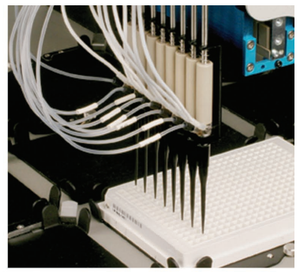

HYPERSTAK PLATE/TIP DISPENSE

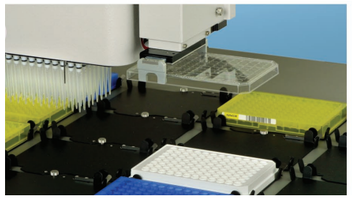
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SC-BR-02 Aug 09











Sciclone | ALH 3000

Advanced Liquid Handler

It Adapts to Your Research, Not the Other Way Around

The Sciclone ALH 3000 Advanced Liquid Handler from Caliper Life Sciences brings together over **25 years** of laboratory automation expertise to provide you a more productive answer for **genomic**, **proteomic**, and **drug screening** applications. Sciclone provides any lab a broad range of highly-accurate and precise liquid handling functions in a versatile, open-design format that adapts to almost any protocol. Each Sciclone is configured with your choice of liquid handling functionality and on-deck accessories, and is field reconfigurable to adapt as your research progresses.

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Advanced Liquid Handler

The most precise, adaptable, scalable liquid handling solution you can buy

Precise

At Caliper, enabling higher quality data is a key strategic focus underlying all of our product development. And from a liquid handling standpoint we know pipetting precision, especially at low volumes is critical to achieving consistent, high quality results. When it comes to pipetting precision at low volumes, the Sciclone delivers leading-edge performance that is second to none.

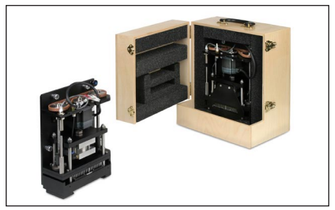


Precise and Flexible Multi-Channel Pipetting - No other liquid handler can match the Sciclone for precision and flexibility in pipetting across 96, 384 and 1536 microplate formats. Choose from three pipetting heads covering a volume range from 100 nL to 200 µL. Leveraging our unique EZ-Swap head design, each pipetting head can easily be exchanged by end users in as little as a few minutes with no re-teaching or realignment.

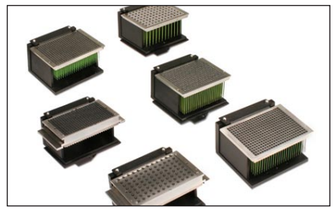
ALH-HV Pipetting Head for High Volumes - The 96 channel ALH-HV pipetting head utilizes Caliper certified disposable tips and supports transfer volumes up to 200 µL. It also possesses the unique ability to attach individual rows or columns of tips and therefore carry out row-wise and column-wise serial dilutions.

ALH-LV Pipetting Head for Low Volumes - The 384 channel ALH-LV pipetting head supports transfer volumes from 0.5 - 25.0 µL and using our proprietary swap-on-the fly pipetting arrays, including 96, 384 and 384/1536 fixed 96 or 384 mandrel arrays for use with low volume (25 µL) disposable tips, or custom pin tools. This unique capability enables user to swap between 96 and 384 pipetting, as well as fixed cannula or disposable tips, all within a single uninterrupted protocol. When used with mandrel arrays, the ALH-LV provides the same ability to attach individual rows of tips as the ALH-HV head, enabling fast and efficient serial dilutions in a 384 well format.

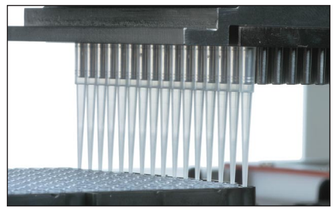
ALH-NL Pipetting Head for Nanoliter Volumes - The 384 channel ALH-NL pipetting head supports transfer volumes from 100 nL - 5.0 µL. As with the ALH-LV head, it is designed to work with both 96 and 384 pipetting arrays offering the ability to switch between 96 and 384 within a single uninterrupted protocol.



Multi-Channel Pipetting Heads
With the EZ-Swap design, you can easily exchange multi-channel dispense modules to fit your specific needs.



Pipetting Arrays
A number of swap-on-the-fly pipetting arrays are available for use with the pipetting heads.



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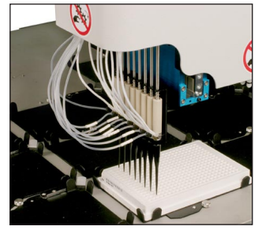
With it's unique open and modular design and wide range of pipetting options and accessories, the Sciclone is easily configured with the best combination of pipetting options and accessories to perfectly meet the needs of any given application. It's highly adaptive nature enables it to be re-fitted quickly and easily to support multiple applications to meet changing needs.

Scalable

While a highly capable standalone workstation, the Sciclone is also clearly designed with equipment integration and scalability in mind. That's why the Sciclone is open on all four sides to provide maximum flexibility from a systems integration standpoint. With our iBLOX modular table technology, we have successfully extended the modularity of the Sciclone to the systems level create very flexible, high throughput systems in a very small footprint.

Powerful Liquid Handling Options

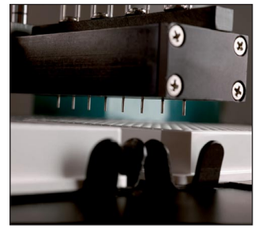
The Z-8 Pipetting Module for Individual Well Access
The Z-8 pipetting module provides eight channels of independent Z-axis control for cherry picking, reformatting and normalization protocols and offers an optional capacitance-based liquid level sensing capability. The fixed cannula supports volumes from 0.5 - 50 µL and the disposable tip version supports volumes from 0.5 - 200 µL and comes with a built-in tip shucker. The Z-8 pipettor can be driven through worklist processing commands and fully supports automated hit-picking and normalization protocols.



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Bulk Dispense Modules for Optimal Protocol Design
Perform up to six distinct flow-through dispense activities within a single configuration by adding optional bulk dispense modules. Bulk dispense modules attach to either side of the multi-channel dispense head, and each 8-channel module can be programmed to dispense volumes from 10 - 2,500 µL per well.

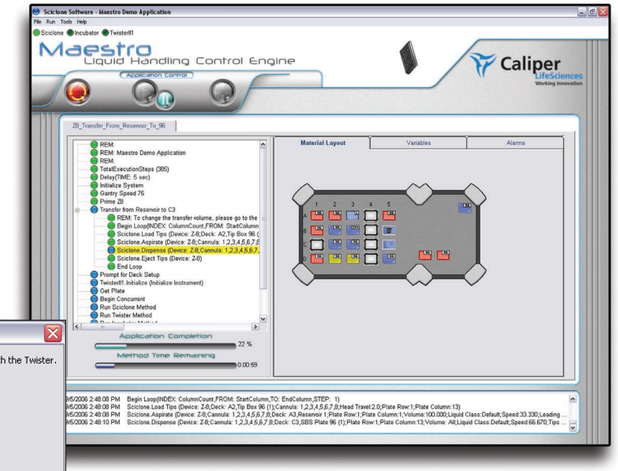
The integrated bulk dispense capability is truly unique to the Sciclone and enables the efficient broadcasting of reagents within an uninterrupted protocol, and without the need for a separate instrument.



Bulk Dispense Modules
Bulk dispense modules enable flow-through dispense from bottles of bulk reagent. Add up to six independently programmable 8-channel arrays for uninterrupted automation of complex protocols.

Software

Maestro Liquid Handling Software - With point and click method development, a comprehensive yet simple operator interface, and enhanced error recovery, Maestro software provides scientists the ability to easily create and run automated liquid handling methods. Maestro provides real-time dialog between the liquid handler and the user, including both programmable and unanticipated notifications. In the event of an error, Maestro can recommend a step-by-step recovery procedure to ensure sample preservation and data integrity.



Email Notification - Maestro methods can create an Email or page messager can be sent automatically as the method progresses, allowing manual replenishment of reagents or to ensure prompt intervention and error recovery.

Integrated Support for Visual Basic for Applications

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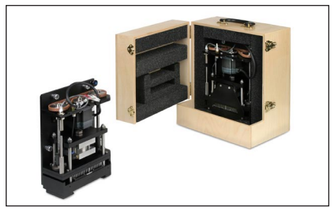


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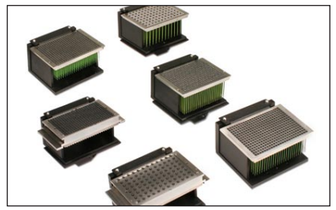
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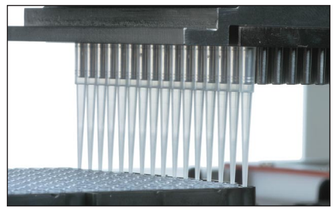
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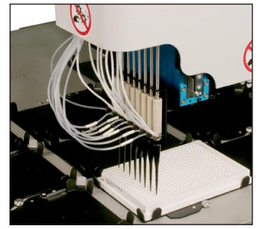
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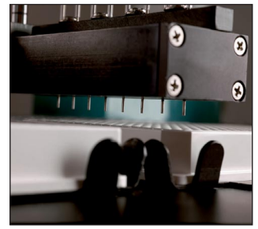
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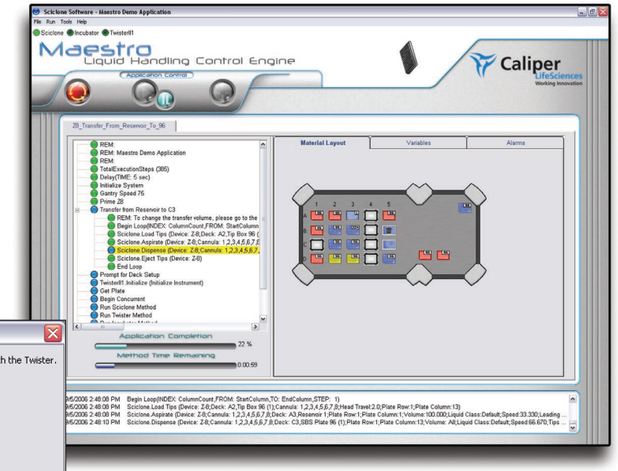
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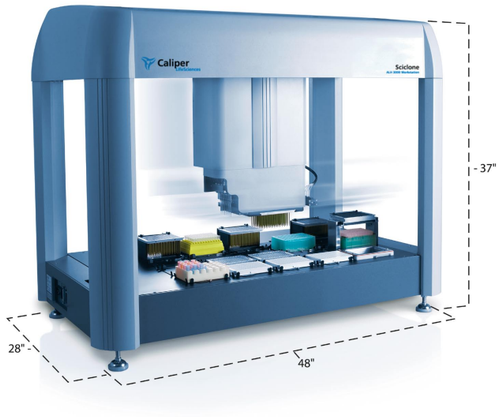
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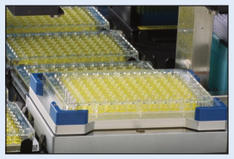
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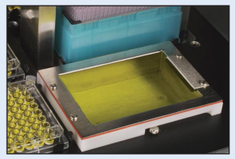
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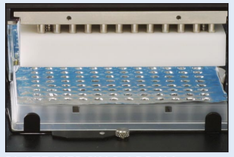
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Unique Accessories to Enable Full Walk Away Automation


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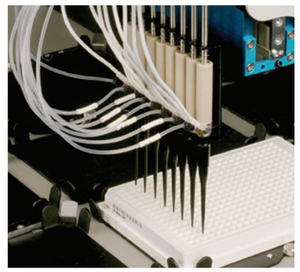

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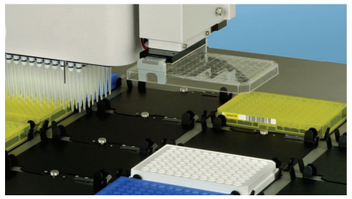
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Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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