

## LIQUID HANDLING AUTOMATION

Featuring intelligent liquid handling that adapts as processes require, the Biomek 4000 Laboratory Automation Workstation incorporates easy-to-use, icon-driven software and an enhanced work surface with interchangeable tools. Modular deck configuration allows the work surface to be set up with eight standard positions, and is expandable to 12 positions. New single and multichannel 1,000 mL pipetting tools offer higher throughput for assays using volumes greater than 200 mL and up to 1,000 mL. Method building is simple, and powerful editing features allow specialized and one-off applications to be readily addressed. Most pipetting functions are available through transfer and combine steps, while the flexibility to fine-tune individual pipetting steps is retained. Pipetting templates and liquid-type editors are standard in the software and make adapting pipetting for any liquid straightforward. An intuitive software interface provides icons for liquid handling, labware movement, and control of external devices.

Beckman Coulter

For info: 800-742-2345 | [www.biomek4k.com](http://www.biomek4k.com)



## AUTOMATED NUCLEIC ACID EXTRACTION WORKSTATION

The new Automated Nucleic Acid Extraction WorkStation offers consistent, high-speed purifications by combining several Thermo Fisher tools into one turnkey solution. Designed to provide cost- and time-effective nucleic acid extraction, users can process samples from virtually any source, while ensuring accuracy and sample integrity. The system is ideal for a variety of downstream applications including sequencing, cloning, and both polymerase chain reaction (PCR) and qPCR, and allows instruments to be used in a complete workflow, alone, or even interchanged while the system is running. Controlled and monitored by the Thermo Scientific Momentum scheduling software, the Automated Nucleic Acid Extraction Workstation and other networked tools can be easily programmed to ensure the simultaneous running of multiple processes. When leaving the instruments unattended, the software enhances user confidence by providing accelerated simulation to test required processes in advance, isolating problems, and delivering recovery options for the workflow.

Thermo Fisher Scientific

For info: 905-332-2000 | [www.thermoscientific.com](http://www.thermoscientific.com)

## LIQUID HANDLING SYSTEM

The Preddator System Liquid Handling System, which features unique dispense head technology, achieves less than 1% CVs at nanoliter volumes, ensuring scientists can save time and reagent costs by generating consistent low-volume microplate assay results time after time. The Preddator is the only automated commercial nanoliter microplate dispenser that can reliably pipette difficult to dispense substances such as DMSO, oils, detergents, and gels as well as cells, proteins, and other biological samples. Preddator's unique dispense head is designed with a solenoid to work continuously, saving scientists time as they can leave Preddator unattended when dispensing viscous reagents or cells, without worrying about blockages and inaccurate assay data which can result from inconsistent dispensing.

Redd&Whyte

For info: +44-(0)-1284-703168 | [www.reddandwhyte.com](http://www.reddandwhyte.com)

## COLONY GROWTH AND PICKING SYSTEM

The fully automated RapidPick Automated Colony Isolation System (ACIS) reduces the total time required to go from a plated bacteria to inoculated wells to bacterial cultures. The RapidPick ACIS brings together multiple instruments in a cost-effective and scalable manner. As a result, several time-consuming steps have been automated that are typically performed manually or offline due to cost, complexity, and other considerations. The RapidPick ACIS allows the user to create a streamlined process for all the instruments to work together, reducing the time required for the process. A unique feature of the RapidPick ACIS is the inclusion of an integrated Micro10X dispenser with auto-prime and auto-rinse features. The Micro10x will automatically fill the plates with fresh media on the fly immediately before inoculation, saving the user valuable time. High throughput runs are possible because the attached PlateCrane EX robotic arm with stacks is able to store and manage multiple microplates in a single run.

Hudson Robotics

For info: 973-376-7400 | [www.hudsonrobotics.com](http://www.hudsonrobotics.com)

## HIGH-CONTENT IMAGING

Replacing the acumen eX3, the new acumen hci (high-content imaging) system is the fastest imager on the market for multiplex assays in up to 1,536-well plates, and the new open-source image format means users have complete flexibility to analyze images on their existing analysis software if required. Together with whole-well imaging, these features make the acumen hci ideal for identifying "hit" wells in cell-based screens. Achieving unparalleled speeds during high throughput screening, acumen hci can image and analyze whole wells for 96- to 1,536-well plates in just eight minutes, at a resolution of 0.5  $\mu\text{m}/\text{pixel}$ . This enables the effective screening of high-density plates and facilitates assay miniaturization, increasing throughput and reducing costs. Data is robust and insightful even during rapid screening, and up to three lasers allow for easy multiplexing using a wide range of fluorescent dyes. The new 561 nm laser option offers compatibility with even more dyes, like mCherry.

TTP Labtech

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# Science

## New Products

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