

HEATING & COOLING EQUIPMENT

Portable Air Conditioner Delivers High Performance

The Atlas PACSlim-12 portable air conditioner combines compact size with powerful but quiet performance. It delivers 12 tons (144,000 BTU/hr) of cooling yet is narrow enough (34" wide) to roll through a standard doorway. The PACSlim-12's narrow width allows it to get into parts of a building where other units can't fit, such as labs with narrow access doors or limited floor space. Premium blowers combined with acoustical insulation ensure an unusually low sound level for a unit of this size. **Atlas Sales & Rentals, Inc.** www.atlassales.com, 800-972-6600



PARTICLE & MOISTURE ANALYZERS

Characterization System Solves Complex Particle Problems

The Morphologi G3-ID particle characterization system from Malvern Instruments combines automated particle imaging with the chemical identification of individual particles using Raman spectroscopy. It helps solve complex particle characterization problems where component-specific size and shape distributions are required. The system enables all users, from particle characterization scientists with limited spectroscopy experience to experienced spectroscopists, to gain in-depth understanding of particulate samples. **Malvern Instruments Ltd.** www.malvern.com/Raman, +44 1684 892456



LIQUID HANDLING

Repeating Dispenser Features Easy Selection Window

In response to the latest wave of electronic pipettes and steppers, Ritter Medical has developed a mechanical repeater, the Ripette Pro. While Ritter designed the ripette pro to work with most repeater tips, they also designed a tip—the Ritip Professional—to maximize the accuracy and precision of the unit. Twelve different size tips allow the user to dispense 120 different volumes through 10 distinct settings. The window allows selection of the proper tip for the desired dispensing volume quickly and easily. **Ritter GmbH** www.ritter-medical.de, 314-378-3265



METERS, MONITORS & GAUGES

Flow Controllers Feature Intelligent Software

Sierra Instruments' SmartTrak 100 Series with Compod is designed to replace more expensive DCS or PLC systems, allowing scientists to automate a variety of experimental parameters. The SmartTrak 100, coupled with Sierra's Compod monitoring software, offers scientists an intelligent flow controller, simplifying basic flow control installations and permitting networking of multiple instruments using open-source MODBUS RTU protocol. Two digital outputs and one analog input can be configured by the end-user, while the Compod monitors the functionality of the MFM and/or MFC, and provides diagnostics, notifying users of faults or system upsets. **Sierra Instruments** www.sierrainstruments.com, 831-373-0200



SOFTWARE

Software Eliminates Data Review Bottlenecks

With Bruker's EVOQ LCMS/MS comes an innovation in software with PACER, making human interaction with the process of data review more efficient by eliminating data review bottlenecks. This is undertaken by employing exception-based data review to instantly highlight integrated peaks that fail to meet the preset method criteria, so the analyst can focus on the problem areas. This software instantly increases efficiency by eliminating unproductive time spent on data review without compromising data quality. The powerful PACER integration algorithms use pattern-recognition technology to accurately define and integrate small peaks within noisy baselines. **Bruker Corp.** www.EVOQms.com, 510-683-4300

SPECTROMETERS

Mini Raman Spectrometer Sees Counterfeits

The IDRaman mini handheld Raman spectrometer is a powerful instrument with enhanced performance for sample authentication and counterfeit detection. The palm-sized IDRaman mini is rugged and dependable, delivering fast, accurate Raman analyses ranging from chemical and explosive agent detection in the field to QA/QC sampling routines in the laboratory. The IDRaman mini overcomes many limitations of handheld Raman instruments—especially size, sample measurement and power supply needs. **Ocean Optics** www.oceanoptics.com, 727-733-2447



OPTICS, CAMERAS & IMAGE ANALYZERS

Camera Quickly Captures Super-Res Images

The Evolve 512 Delta EMCCD scientific camera from Photometrics delivers fast frame rates and high sensitivity. The temporal resolution of super-resolution techniques are limited by camera frame rate because of the need to acquire thousands of images. The Delta solves this challenge by decreasing acquisition time in half, enabling researchers to capture biological events at roughly twice the temporal resolution. The Delta acquires images at 62.5 frames/sec at >90% quantum efficiency with <1e- read noise using EM Gain. It was designed for demanding life science applications, including super-resolution, single molecule fluorescence, live cell spinning disk confocal, FCS and TIRF. **Photometrics** www.photometrics.com, 520-547-2745



VACUUM & THIN FILM EQUIPMENT

Aspiration Station Ensures Safety

VACUUBRAND's BVC Professional G integrated aspiration station is a convenient point-of-use system for cell and tissue culture work by one or two users. It is the first aspiration unit with full bleach compatibility, for applications with safety protocols requiring bleach as a disinfectant in the receiving flask. The compact unit's quiet, oil-free vacuum pump responds to demand automatically with electronically adjustable suction. An autoclavable collection bottle reduces aerosol production and foaming, and a non-contact liquid-level sensor prevents overflow. **VACUUBRAND, INC.** www.vacuubrand.com, 888-882-6730

