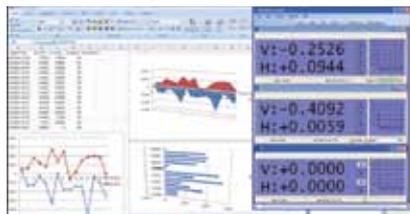




Software & Information Technology

Accessory Delivers Machine-Alignment Data



Pinpoint Capture is a new data accessory for the Laser Microgage industrial measuring and aligning system. Pinpoint Capture can quickly grab measurement readings from up to four laser receivers placed on machinery to analyze the alignment and performance of equipment. The software is Windows-based and interfaces cleanly with spreadsheets, statistical analysis packages, and other programs. Measurements can be stored in the handheld Laser Microgage display and then uploaded to a PC or laptop for analysis, printing, and storage. Alternatively, measurements can be routed directly to a PC or laptop. Pinpoint Capture delivers a precision of 0.0001 in. over a working range of 180 ft.

Pinpoint Laser Systems
www.pinlaser.com

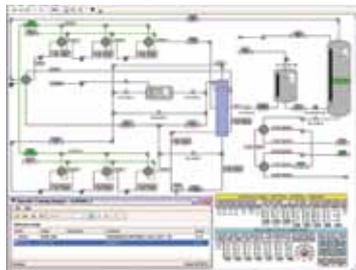
Updated PCR System Software Detects Gene Mutations

Advanced high-resolution melting analysis and qualitative detection modules are now available for the LightCycler 96 polymerase chain reaction (PCR) system. New support features are also available for the LightCycler Nano PCR system. The LightCycler 96 melting analysis module enables easy and fast detection of known and unknown gene mutations, deletions, and methylated regions. The novel qualitative detection module enables direct detection and validation of a target gene's presence or absence. The new features of the LightCycler Nano include advanced gene expression analysis and enhanced analysis meth-

ods for high-resolution melting experiments. These software tools for the LightCycler 96 and LightCycler Nano are available for immediate download at www.lightcycler.com.

Roche
www.roche.com

Software Creates Dynamic Models for Plant Lifecycle Simulation



MiMiC Version 3.5 is dynamic multipurpose simulation software for control system development, testing, and optimization, as well as operator training, process hazard analysis review, and operation documentation validation. It can create dynamic models of plants to support plant lifecycle business decisions. One new feature in Version 3.5 is the Reactor Object, which models a continuous stirred-tank reactor. The Reactor Object and the Reaction Assistant permit easy configuration of complex chemical reaction dynamics. Simulation Studio has also been enhanced in MiMiC Version 3.5 to include a new graphical drawing mode, a simpler way of relocating stream destinations, a model recovery feature, and an easier method of tracing data references.

Mynah Technologies
www.mynah.com

Applications Enhance Plant Control Room Security

Three new applications — the Cyber Security Dashboard, the Experion Collaboration Station, and the One-Wireless Network R220 — improve security and operation of plant control

rooms. The Cyber Security Dashboard simplifies the task of keeping automation systems up to date with cyber security requirements. The dashboard consolidates all data into a single view and allows users to access detailed content such as graphics, documents, and applications. It also allows creation of alerts that advise personnel to update antivirus protection, manage patches, and perform other cyber-security-related tasks. The Experion Collaboration Station enables faster responses to both routine and emergency situations by displaying a common view that shows how distributed assets at multiple locations are functioning. The OneWireless Network Software R220 can monitor field instrumentation, inventory, and plant operations over an integrated network to improve system productivity.

Honeywell
www.honeywell.com

Online Thermowell Tool Simplifies Sizing



This free online thermowell calculation tool is compliant with ASME PTC 19.3 TW-2010 standards. It significantly speeds thermowell sizing and calculates the thermowell's ability to withstand stresses under specific process conditions, which is important for demanding applications with high flowrates or high process pressures. The tool will help avoid loss of measurement, damage to expensive equipment, and safety risks to plant personnel associated with improperly sized thermowells. Unlike the traditional time-consuming

approach that utilizes spreadsheets, the thermowell sizing calculator allows users to make preliminary calculations to select the correct thermowell with just a few clicks. The tool now features a wider variety of geometries, such as stepped thermowells.

Endress+Hauser
www.us.endress.com

Graphical Tool Speeds Solids Process Modeling

The gSolids 3.0 drag-and-drop graphical environment can flowsheet processes in which solids and particulates play an important role, such as in the pharmaceutical, fine chemicals, food processing, and mining industries. The new version extends pharmaceutical tablet manufacturing capabilities with

unit operations for compaction, coating, and *in vitro* testing. Version 3.0 also brings significant improvements in speed and robustness, as well as an expanded set of sensor and control models. A particle-size-distribution (PSD) monitor allows comparison of size distributions from multiple sensors. Models for electrostatic precipitation, dynamic screening, and fluid-bed agglomeration are also included.

Process Systems Enterprise (PSE)
www.psenterprise.com

Software Suite Streamlines Pharmaceutical Production

PharmaSuite Version 5.0 delivers a single manufacturing execution system (MES) that can integrate and streamline operations across multiple produc-

tion areas and product lines within pharmaceutical and biotechnology facilities. It features automation-layer integration that collects data directly from equipment, provides automation setpoints, monitors automation events, and integrates process information into an electronic batch record. This helps reduce the human error associated with manual data collection. Automated batch processing is facilitated with the PharmaSuite Recipe Designer, which has an enhanced information-flow design that enables access to real-time production data. PharmaSuite Version 5.0 also features a new equipment modeler to define and update equipment descriptions and specifications.

Rockwell Automation, Inc.
www.rockwellautomation.com

One tough test. One clear winner. CALFLO™ AF.

Results from Severe Oxidative Stability Test.



A specialty heat transfer fluid competitor
No flow, remains completely stuck in tube.



A world leader in industrial lubricants
Flows, but severe build-up of deposits remains in tube.



CALFLO AF
Flows easily, stays cleaner longer.



CALFLO AF delivers longer fluid life and better equipment protection. And more savings to you.

We put CALFLO AF and leading competitors to the test in a challenging Severe Oxidative Stability Test and the results are clear. CALFLO AF provides better oxidative stability for longer fluid life and enhanced equipment protection. That means more savings in operations and maintenance costs. And less worry. Test CALFLO AF, or another product in our line of CALFLO heat transfer fluids, in your operation. And see the results for yourself.

Visit www.calflo.com for the clear facts.

Petro-Canada is a Suncor Energy business.
*Trademark of Suncor Energy Inc. Used under license.

Beyond today's standards.

