

# Software & Information Technology

## Software Upgrade Enhances Quality Control



Designed for mid-sized to large batch manufacturing processes, Enterprise Resource Planning (ERP) Version 14.3 has upgraded inventory management and quality control functionalities for enhanced warehouse operations and ease of use. The software now features a global units-of-measure table, a master production calendar for job scheduling, new lot location capabilities, and container tracking for license plating. The ERP software also includes a user acceptance test script, as well as a web-based help system that provides supporting documentation for the software and warehouse management system.

**Deacom, Inc.**

[www.deacom.com](http://www.deacom.com)

## Monitoring Software Provides Emissions Updates

The ION emissions application provides accurate monitoring of gas emissions for hazardous substances in industrial facilities. It automatically feeds collected emissions data into the ION integrated dashboard to allow users to monitor, manage, and verify a facility's environmental emissions. It shows gas concentrations at any point in the system, and triggers alarms if a sensor detects a chemical release. Color coding shows the exact location and extent of the problem, allowing immediate, pinpointed response.

**Aprpron, Inc.**

[www.aprpron.com](http://www.aprpron.com)

## Web-Based Monitoring System Integrates Liquid Level Measurement

The BinView web-based monitoring solution for bins, tanks, and silos now features liquid-level measurement technology. SmartSonic or SmartWave sensors for liquids, and SmartBob sensors for solids, can be integrated within a single network, enabling users to monitor both liquids and solids tanks via the Internet or on a smartphone. BinView offers real-time inventory management and complete access to inventory data from anywhere in the world. It can send automated alerts via email and text message when bin conditions meet user-specified thresholds. The system is highly scalable; it is able to monitor many vessels at once and grow as operations expand. BinView features end-to-end encryption and authentication to ensure data confidentiality from the bin to the corporate office.

**BinMaster**

[www.binmaster.com](http://www.binmaster.com)

## Videographic Data Recorder Software Manages Multiple Recorders



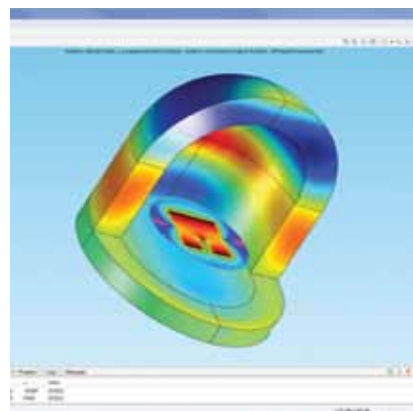
DataManagerPro software for ScreenMaster videographic data recorders allows users to collect, access, and store data from multiple recorders in a central database. Data can be transferred manually using a memory card, or automatically via a network, for secure long-term storage. Users can create chart templates for specific types of data or processes and

efficiently compile graphical charts. A marker function shows normal process conditions during data evaluation for quick outlier identification. For batch operations, data can be divided into packages to establish data sets for specific time periods.

**ABB Measurement Products**

[www.abb.com/measurement](http://www.abb.com/measurement)

## Tutorial Package Features Models for Antenna Design



The RF Module tutorial package for COMSOL Multiphysics has been expanded with the addition of 20 new models, bringing the total number of examples in the tutorial library to 50. The suite of high-frequency electromagnetic simulation tutorials demonstrates how to apply the RF Module for antenna design and plasmonic technologies. Among the new tutorials now offered are the microstrip patch antenna, double-layered dielectric lens radome, branch line coupler, evanescent-mode cavity filter, and dielectric resonator antenna. Step-by-step instructions allow users to establish benchmarks in their own projects for evaluation and measurement purposes. New example benchmark tutorials are available for subjects such as transmission line theory, Mie scattering, and photonics.

**Comsol**

[www.comsol.com](http://www.comsol.com)