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LOAN BAN EXPIRES

22 JAN 2004

DECEMBER 2002

**Rhein Papier
celebrates
a startup**



paperloop

NEW technology

EFFLUENT TREATMENT

■ Palintest has developed a new reagent dispenser that, it says, makes performing its ammonia test even simpler, especially in extreme conditions such as high winds and heavy rain. The test is designed to accurately measure ammonia in wastewater across the full spectrum of normal regulatory levels thereby helping to ensure that those waters discharged from effluent treatment plants have ammonia levels within allowable limits.

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Palintest's new reagent dispenser for ammonia testing

ENGINEERING AND MAINTENANCE

■ Honeywell Automation and Control Solutions has unveiled a Microsoft Pocket PC-based tool for configuring, monitoring, managing and providing diagnosis for smart field instruments. Produced by the firm's Industrial Measurement & Control business, Honeywell MC Toolkit is designed to reduce costs and enhance productivity for industrial users by handling multiple communications protocols, including Honeywell Digitally Enhanced (DE) and HART. Shipment of the product is scheduled to begin in March 2003.

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Or visit: www.honeywell.com/imc

■ Lenox Instrument Company says its new Portable Videoscope provides reliable, easy inspection of hard-to-reach areas. The company claims its product is ideally suited to inspect for erosion, corrosion, weld quality, surface wear or security breaches. The standard version includes a 26 mm CCD camera with a light source that is attached to a strong and flexible 18 m cable. Operators can view what is being inspected using a hand-held color display. The standard head can be easily interchanged with an optional pan/tilt camera, says Lenox. The entire unit - display, cord, carrier and camera - weighs less than 5 kg and can be transported in a typical backpack or courier bag.

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■ IVP Integrated Vision Products has released the IVP Ranger M50, its latest generation of cameras that measure three-dimensional shape at high speed. By using a patented image acquisition method, the equipment can be used to gather inspection measurements from up to 10,000 3-D profiles per second. The camera is based on the company's new image sensor, which has three times the resolution of its predecessor, and is designed for customers who develop inspection equipment for industrial processes. One typical application in the forest products industry is to measure the shape of logs to determine the best cutting solution.

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MILL MANAGEMENT

■ Brady Signmark says its new time-sensitive badges are designed to provide plants with added security in controlling access for visitors, contractors and temporary employees. The badges make use of a migratory ink technology, which, upon activation, starts a 24-hour process resulting in the word "Expired" appearing on the front on the badge, easily seen by security and plant personnel. The badges work indoors or out, day or night, and require no hardware or electronics for activation, the company says.

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MOTORS

■ Baldor has launched NextMove ES, a new single-Eurocard motion controller for servo and stepper motors designed to provide engineers with an easy means of building tough systems for industrial and harsh environments. The product is capable of controlling two servo and four stepper axes, or six servo axes if used with Baldor drives. The module includes onboard I/O and fieldbus connectivity and comes with a license-free multitasking operating system.

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PROCESS AUTOMATION

■ GE Fanuc Automation North America, a division of General Electric, has released a new version of its collaborative production management software. CIMPLICITY HMI Plant Edition Version 6.0 features CIMPLICITY SQL 2000 and VCR-like screen playback capabilities as well as view, alarm and paging enhancements to help improve database archiving and reporting, speed process analysis and decrease plant response time to manufacturing crises. Other new features include: support for Windows XP operating system and complete electronic documentation in html format.

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TEMPERATURE CONTROL

■ ITT Standard has rolled out a range of plate-and-frame heat exchangers designed to offer more cooling in less space. The Plate-flow series promises close temperature control of fluids for heat recovery applications where space is a prime consideration. The compact plate-and-frame design offers an attractive alternative to shell-and-tube exchangers, especially for many chemical process industries applications, the company claims. The product yields heat transfer coefficients that are three to five times greater than other types of exchangers, says ITT Standard. The units can be specified in 20 different models, for heat transfer surfaces as large as 850 m².

Tel: +1 718 862 4061 (John Boyer)