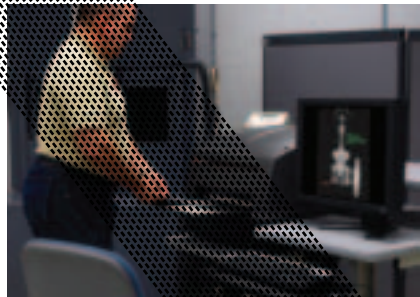


Computed Radiography System Handles Wide Range of Plates



dards. It is transportable and designed to function in harsh industrial and outdoor environments.


Carestream Health NDT Solutions Group
www.carestreamhealth.com
 (888) 777-2072

Lightweight Ultrasonic Flaw Detector Designed for Harsh Environments

The USM Go weighs 2.2 lb, making it

The Kodak INDUSTREX HPX-1 computed radiography system accommodates a wide range of plates to enhance productivity. These include long plates, short plates, rigid cassettes, and flexible plates. With regard to image resolution, the system produces weld-quality images as well as provides full dynamic range and sensitivity for all applications. The system is DICOM compliant and is also classified to ASTM and EN CR system stan-

the company's lightest and most portable ultrasonic flaw detector. It was designed to work in harsh environments in the oil and gas, aerospace, power generation, and automotive industries. The unit is dust and waterproof to IP67 cer-



tification standards and can withstand shock and vibration. It features a pressure-sensitive track control, an ergonomic design, and data display resolution of a screen with a 800 x 480 pixel count. It can be operated with either hard inspection data can be downloaded through the unit's USB connectivity and the 2-GB memory card, which can be expanded with the addition of a 2-GB standard SD card. Reports are in jpg or BMP format. Customized models for specific inspection codes or applications are available.

GE Sensing & Inspection Technologies
www.gesensinginspection.com
 (866) 243-2638

— continued from page 28

Video Highlights Power Plant Robotic Inspection System

The Nuclear Energy Institute has released *Robotic Inspectors*, the final video in a series of four that highlight cutting-edge technology and innovation by nuclear energy industry professionals. *Robotic Inspectors* details new inspection devices developed at Entergy Nuclear's Vermont Yankee station to closely analyze the facility's steam dryer, which is located at the top of the reactor. The company partnered with AREVA NP to develop two remotely operated inspection systems, one to inspect the outside of the dryer and the other to inspect the inside. The outside system uses a rail-and-trolley system with a telescoping mast and camera to inspect all 213 welds and components. The inside method uses an underwater crawler with a telescoping mast and camera to inspect all 253 welds and components. Entergy's Vermont Yankee employees received the Maintenance Process Award for the system. All four videos are posted on NEI's Web site. The robotic video can be downloaded at www.nei.org/filefolder/Robotic_Inspectors.wmv.

XRF Analyzer Offers Silicon Drift Detector Technology



The Omega Xpress XRF analyzer contains silicon drift detector (SDD) technology for high-quality material sorting

and 100% positive material identification. The unit couples an ultrahigh-resolution SDD detector with a safe, powerful 40-kV/4-W X-ray tube. Besides providing rapid chemistry and grade match, the X-ray fluorescence analyzer provides precise analysis for Al alloys, Ti alloys, red metals, cast stainless, high-temperature and Ni/Co superalloys; and delivers accurate identification of carbon and low-alloy steels; separates Ta, W, Hf, and Re metals in specialty alloys; and nondestructively and accurately identifies and assays precious metals. In addition to offering direct light element analysis in air, the unit is available with optional patented vacuum technology.

Innov-X Systems
www.innovx.com/products/omega
(866) 446-6689

Weld Software Features Vision Kit

The company recently upgraded its Weldworks software suite to include vision capabilities. The vision kit includes a gas shock articulating arm that positions the USB camera and LED

— continued on page 32

light at the desired position. The system feeds a live video image to the Weldworks application, allowing the operator to see small features. The software can automatically capture preweld and postweld images. A central database stores the pictures, weld data, waveforms, and part information. Optional Cognex Visionpro software is available for additional gauging applications.

techMatrix, LLC
www.techMatrixLLC.net
(612) 605-8312

Meter Measures Ultraviolet and Visible Light



The Spectroline® AccuMAX™ XRP-3000 digital radiometer/photometer uses a dual-wavelength sensor detector to measure both ultraviolet and visible light. The microprocessor-controlled meter features automatic zeroing, integration, and signal hold. It features a sealed sensor housing and USB cable connected with a water-resistant adapter, and a self-sealing ring on the housing that helps eliminate light leakage. It provides standard UV intensity data as well as readouts of visible irradiance in various units, and is capable of accurately measuring a wide variety of NDE light sources. The LCD readout features $\pm 0.2\%$ linearity.

Spectronics Corp.
www.spectroline.com
(800) 274-8888

Video Borescope Features Stand-Alone Image Processing

The VJ7X1.5 articulating video borescope offers onboard (stand-alone) image processing and battery-powered,



portable operation. The flexible borescope has a high-resolution, 2.4-in. TFT LCD screen with a sun visor and high-intensity LED lighting with adjustable brightness control, and a thumb-activated joystick that provides precise control of the articulating tip up to 90 deg in every direction. The unit weighs 20 oz, and can run for about 2 h on four AAA batteries. It can be connected to a larger monitor or computer via USB plug for viewing still or video images and a MicroSD card that can be inserted into cell phones with a card reader to transmit images via e-mail. It has a diameter of 0.272 in. with polyurethane sheathing, a flexible length of 60 in. with a waterproof insertion tube and tip, and a focal length of 0.59 in. to infinity.

Titan Tool Supply, Inc.
www.titantoolsupply.com
(716) 873-9907

System Treats Fluorescent Penetrant Rinse Water



The MagnaPure II® uses ozone to remove the green dye color from fluorescent penetrant rinse water. The unit can process up to 500 gal of rinse water per 24-h period. It eliminates the use of filters and/or cartridges. It requires minimal floor space and maintenance, reduces bacteria and odor problems, and features a separate sample valve, an easy-to-use color touch screen, and drop-in installa-

tion. No penetrant residue or sludge is left after the filtration process.

Magnaflux
www.magnaflux.com
(847) 657-5300

Camera Offers Agility for Lateral Inspection of Pipes



The Agilios™ self-leveling pan/tilt camera captures details from sidewalls and distant targets within pipes. It is controlled by an ergonomically designed joystick pendant that features an 800 × 600-pixel display. The camera measures 3 in. in diameter, which is suitable for inspecting past multiple 90-deg bends in pipe 3.5-in and larger. It carries a 1-bar pressure rating and is made of stainless steel. It features a welded, wheeled aluminum frame that holds 100, 200, or 300 ft of push rod and includes padded storage for the pendant during transit. It saves MPEG video and JPG images on an internal hard disk, removable USB thumb drive, or Xpress card. It also includes an onboard text generator, distance measurement, and a rechargeable battery.

Envirosight, LLC
www.envirosight.com
(973) 252-6700

An Important Event on Its Way?

Send information on upcoming events to *Inspection Trends*, 550 NW LeJeune Rd., Miami, FL 33126. Items can also be sent via FAX to (305) 443-7404 or by e-mail to mjohnsen@aws.org.