Digital Software Permits Fast Image Capture and Review

The company’s new digitizer system and software bundle allows fast, easy digitizing, archiving, and sharing of x-ray film images. The bundle includes the Kodak INDUSTREX V2.0 digitizer software and LS-85 large-format digitizer. The software includes an automatic file save and naming function that allows faster capture and review of images. Users can capture an image while simultaneously analyzing, annotating, or inspecting other images. The LS-85 film digitizer is available with manual feeding or an automated six-sheet film feeder.

Carestream Health, Inc.,
NDT Solutions Group
www.carestreamhealth.com
(585) 627-1800

UT Mapping Kit Measures Internal Pipe Corrosion

The OmniScan® two-channel ultrasound B-scan corrosion mapping kit includes the OmniScan MX UT instrument, the manual Remote Scan B-scan position encoder, TomoView Lite software, and a dual-UT probe. It provides inspectors with easy-to-read cross-sectional images of material thinning due to internal corrosion in pipe or tank walls. Thickness measurements can be made as spot checks or one-line scans on ferrous steel structures, plates, pipe, etc. Features include bidirectional, unidirectional, and manual scan modes, simultaneous A-scan and B-scan views, a high scanning resolution, a fast scanning rate, and an automatic visual alarm if scan speed exceeds a set limit.

Olympus NDT
www.olympusndt.com
(781) 419-3900

Fiberscope Offers High-Intensity Light Integrated through Its Handle

The FreedomView™ LED fiberscope provides high-intensity light (5500 K) through an LED light source integrated directly into a lightweight aluminum handle. It is easily transported because there is no tethered light source or light guide cables. The distal tip articulation and light intensity controls are also built into the handle. Three patents are pending on the product. The shaft is constructed of rugged tungsten braid that can be fully immersed in gasoline, diesel fuel, water, and other liquids. For added safety, an electrostatic discharge common point ground is built into the handle. The instrument is video/digital camera compatible and has a full line of accessories. The scope is available in

For info go to www.aws.org/ad-index
GE Inspection Technologies

"virtual probe."

The Phasor XS ultrasonic phased array flaw detector features “hard water” acoustic material that provides more effective scanning of composite components and structures. With conventional phased array inspection, the transducers are often held about ⅜ in. from the composite surface. The array is enclosed with a plastic housing that is filled with water to provide the ultrasonic coupling. However, when scanning components and structures that have holes or other manufacturing design features, the coupling water column can be lost, so the area under the array is not inspected. The company’s new transducer has had 90% of the conventional water column replaced with a solid material termed “hard water,” which closely emulates the acoustic properties of water. The water gap is now reduced to 10% of its previous size and refills quickly after passing over holes, minimizing the uninspected areas. In conventional mode, the instrument can use standard ultrasonic probes to carry on inspections and thickness measurement. The battery-operated instrument offers easy-to-understand, menu-driven inspection instructions. It weighs less than 4 kg. When used in phased array mode, it can drive arrays with up to 64 elements, using any 16 of them to form a "virtual probe."

New Transducers Provide More Effective Scanning of Composite Components

Optim Inc.
www.optimnet.com
(800) 225-7486

Borescope Inspects Parts with Deep Bores

The company’s 4-mm-diameter Hawkeye Pro and Classic Slim borescopes are now available in a 22-in. length, which allows them to check for defects in parts and products with very deep bores. The scopes are appropriate for inspecting metal machined parts, firearms, tubing, and other products. They feature a 0-deg direction of view and 42-deg field of view, as well as a rotating 90-deg direction of view with a mirror tube attachment. The company’s endoGRINs lens system allows the scopes to relay images at a long distance while maintaining a high-quality image.

Envirosight LLC
www.envirosight.com
(866) 936-8476

Sidewall Scanner Streamlines Pipe Inspection

The DigiSewer digital visual sidewall scanning instrument uses patented technology to generate a high-resolution sidewall scan. The camera mounts to any of the company’s ROVVER crawlers. As the crawler moves down a pipe, the camera grabs a frame of video at established intervals. From each frame, a ring of pixels representing a fixed-width cross section of the pipe is digitally extracted and unfolded into a tall rectangle by the unit’s CPU. As scanning progresses, the CPU joins the rectangles together to form a complete sidewall scan, one whose length corresponds to the length of the pipe and whose height corresponds to the pipe’s full circumference. A crawler equipped with the unit can traverse a pipeline at full speed; the operator never needs to slow it to scout for defects and never needs to pan, tilt, or zoom the camera. The scans can be loaded directly into a freeware viewer on any PC, allowing rapid browsing of scan thumbnails as well as detailed analysis.

Innov-X Systems
www.innov-xxys.com
(781) 938-5005

The X50 MobiLab™ offers positive material identification of Cd, Sn, Ba, precious metals, and rare earths. It features power levels much higher than handheld units and can handle many applications that previously would have required full-sized laboratory instrumentation. The portable unit can be used for in-field inspection and remote use, particularly for large samples of materials and parts, where it is inconvenient to wait for lab analysis results.

Weld and Pipe Inspectors - Genuinely Independent Information and Assistance

For info go to www.aws.org/ad-index