X-R-I Testing will soon add new Computed Radiography capability to its Manchester, CT location.

X-R-I Testing, an Applus+ company, is the recognized industry leader in Nadcap accredited Aerospace NDT services, with an extensive level of Prime OEM approvals. In order to extend its high technology NDT services, the company is adding a Fuji HR2 Computed Radiography (CR) system for the inspection of critical Aerospace components to its Manchester, CT facility in November of 2017.

More consistent and repeatable than film, CR provides faster image acquisition, improved image quality and significantly reduced archival costs. With no need to store film in a controlled facility DICONDE compliant CR images can be stored on a network, media or cloud server, providing an exceptional level of flexibility.

From an efficiency perspective, CR provides nearly real-time output of images without the wait time normally experienced with traditional film systems. The system incorporates defect measurement capability that clearly identifies an indications size and orientation, making the final image output both more accurate and cost effective.

For over 75 years, XRI Testing has specialized in the Nondestructive inspection of critical Aerospace components. With over 175 OEM approvals and 17 locations in North America (including stand-alone facilities and customer co-locations) XRI Testing provides a wide range of NDT services for leading Aerospace, Industrial Gas Turbine and Industrial customers.

Contact us for more exciting news on the launch of this new technology!
Highly Efficient • Improved Imaging • Easy Storage • Near Real-Time • Remote Interpretation

Introduction

Utilizing phosphor imaging plates (IP's) instead of conventional film, Computed Radiography (CR) is more consistent and repeatable than film providing faster image acquisition, improved image quality and significantly reduced archival costs. Without the need to store film in a controlled facility, CR images are a digital format that can be securely stored on a network, media or cloud server, providing an exceptional level of flexibility. Nearly real-time results are available immediately after scanning, without the use of chemicals or a darkroom.

Radiography is still one of the most reliable and prevalent NDT techniques. Combined with the latest digital technology, Computed Radiography is a powerful examination method.
Applications

Computed Radiography is ideal for the following applications:

• Weldments
• Braze Joints
• Castings
• Composite Structures
• Electronics
• Foreign Object Detection

Benefits

Workflow Efficiency

• Image acquisition is faster than film resulting in rapid inspection turn-around-time.
• Defect measurements annotations can be saved on the image for customer review.
• Annotations are much easier to read for future review of the images.
• Images can be shared remotely with customer engineering, enabling real-time product assessment.
• Complex geometries can be viewed in one image.

Flexibility and Reliability

• More consistent image quality, CR is a more repeatable inspection method.
• High spatial and density resolution with excellent signal to noise ratio and contrast sensitivity.
• Unlike DDA plates, CR Imaging plates are flexible and can be wrapped around parts for additional flexibility and can be custom fit for complex geometries.
• With exceptional image quality, CR has much more latitude and dynamic range than film.
• Archival process is significantly improved. No more film to store in a controlled facility, CR Images can be stored on a network, media, or cloud.

Interpretation

An enhanced inspection method, CR transforms the image into a digital format that can be viewed on a suitable computer anywhere in the world. With a number of powerful processing tools, the images can be further enhanced to improve readability and interpretation. With the deep background and experience of the XRI Testing team, this new technology provides an exceptional level of service for both our customers… and theirs.

X-R-I Testing

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Locations in Troy, MI / Zaeland, MI / Holland, MI / Redford, MI / Sterling Heights, MI / Cleveland, OH Niles, IL / Hampton, VA / Greenville, SC / Greer, SC / Raleigh, NC / Manchester, CT / Covina, CA Ontario, Canada.

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