Radiographic testing (RT) is one of the most fundamental volumetric testing methods performed in the aerospace industry. Radiography encompasses a wide range of techniques from film usage to digital, with digital techniques ranging from computed radiography (CR) and direct digital array (DDA) to computed tomography (CT). All of these techniques involve either X-ray or gamma radiation generated from a tube or from an isotope of Iridium-192, Selenium-75 or Cobalt-60.

THE Applus+ SOLUTION

Applus+ is an industry leader in the introduction of filmless radiography technologies for non-destructive testing (NDT), offering computed radiography (CR) and direct digital array radiography (DDA) services at most facilities.

Our portfolio of X-ray radiography-testing services includes traditional film and advanced digital technologies. With our large processing capacity, we provide quick turnaround even with high-volume production requirements.

Our radiographic-inspection services are Nadcap approved and involve:

- 150kV to 300kV cabinets for quick production turnaround
- Versatility in processing a wide variety of shapes and sizes
- Walk-in cells with accessibility for larger parts
- Filmless solutions that reduce exposure time
- Highly efficient systems for image archiving and retrieval
- Storage of images in raw, unenhanced, unalterable format
- Powerful, intuitive software for image analysis and enhancement, providing more accurate NDT inspections and image evaluations

Target customers

Radiography has the ability to penetrate wide ranges of material with varying densities to detect internal defects in weld quality; profile in-service systems to determine if
corrosion or erosion is present; evaluate castings for fabrication flaws or foreign objects; and detect damage in composites.

Nadcap accreditation is required to carry out the radiographic inspection of aerospace components.

**Key customer benefits**

Partnering with Applus+, a Nadcap-approved provider, assures our clients that they are complying with industry requirements.

Clients using Applus+ radiographic-inspection services will also benefit from:

- A significant reduction in NDT inspection-cycle time
- No need for any chemistry
- Reduced quantities of film scraps
- A more accurate interpretation of their NDT results

Contact: info@applus.com