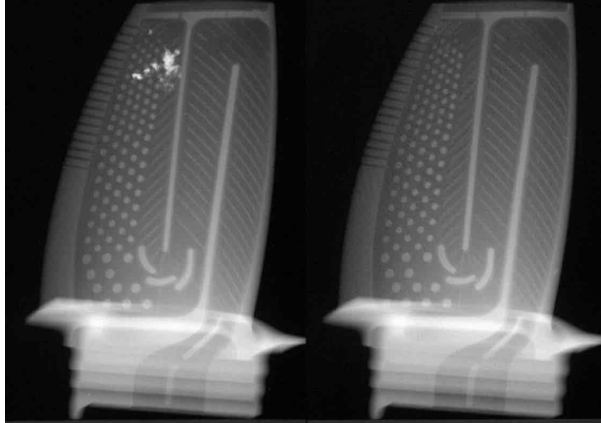


Neutron Radiography



What is Neutron Radiography?

Nuclear reactors provide the intense neutron sources required to visualize objects based on their interactions with neutrons, which provides a new range of possibilities compared to traditional NDT methods. This specialized NDT method enables inspections that go beyond X-ray imaging.

What is the process for Neutron Radiography?

The process of neutron radiography uses high yield neutron generators to capture a scan of the internal mechanisms of a sealed object. A neutron beam is directed toward an object and an image is formed. Unlike x-ray testing, neutrons can penetrate high density material.

Benefits of Neutron Radiography

There are many benefits to using neutron radiography testing, including:

- The ability to penetrate dense materials more effectively than x-ray testing.
- It is less damaging compared to x-rays, making it easy to test sensitive objects.
- It allows for less preparation, making the process more efficient and streamlined.
- The ability to uncover hidden details and flaws that would otherwise go unnoticed.

Applus+ Laboratories Accreditations for Neutron Radiography



We hold approvals from a number of aerospace organizations covering both civil and military industries.

Some of the standards we are accredited to include:

- AS9100
- NAS410
- ASTM E545

We also hold approvals from

- GE
- PWA
- PWC
- Honeywell

ISO 9001:2015 certification

In addition, [Applus+ NRAY](#) is specifically accredited under ISO 9001:2015. This is an internationally recognised standard that sets out the requirements for an effective quality management system. This standard focuses on ensuring that an organization meets the needs and expectations of its customers, as well as continuously improving the quality of its products and services.

Why choose Applus+ Laboratories for Neutron Radiography

With a commitment to excellence, [Applus+ Laboratories](#) brings a wealth of experience and expertise, making us a trusted partner for NDT testing. What sets us apart is a team of highly qualified and certified professionals, stringent safety measures, and continuous training, ensuring clients receive accurate, detailed imaging.