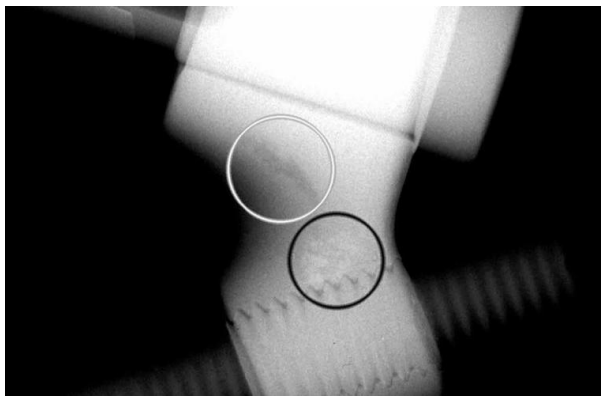


Neutron Radiography Inspection for Aviation

Applus+ is the world leader in Neutron Radiography (n-ray) inspection services to the Aerospace industry. Neutron Radiography, also known as N-ray inspection is a unique process whereby thermal neutrons from a low power nuclear reactor are used to create the penetrating wave to inspect the internal passageways of Aircraft turbine components. Neutron radiographic is also very effective in detecting the presence of materials made of hydrocarbon material enclosed in a steel material.



Target customers

The most common application is the inspection of air-cooled jet-engine turbine blades. There are other examinations that can be performed more effectively with neutron radiography than with other non-destructive testing techniques such as X-ray or ultrasonics.

We have experience with examinations of objects ranging from archaeological artifacts to high-reliability explosives, airframe sections and nuclear fuels.