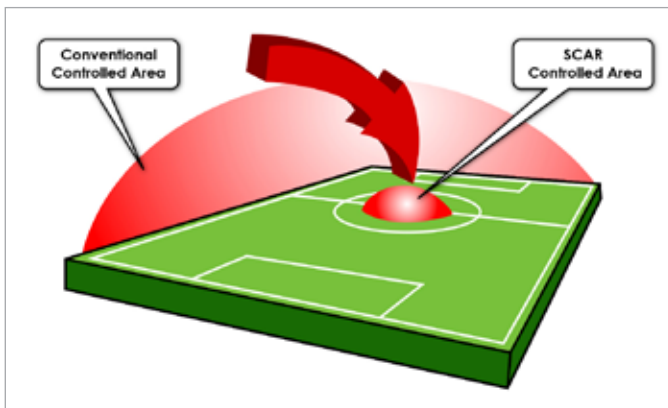


Dacon provides all types of Radiographic Inspection from standard RT through to the most advanced techniques such as Computed Radiography using SCAR technology.

Every RT technique has different benefits and advantages from cost saving through to ease of use. Dacon provides all of these options and can tailor a solution that is specific to your needs with one of the most exciting developments being the ability to perform RT without the needs to close down large areas of the work site.



Small Contained Area Radiography (SCAR)

This technique uses a special self-contained Radioactive Source that minimizes the radioactive exposure to the operators and personnel. This is a new technology that has only been used in the last 5 to 10 years.

Advantages and Disadvantages

- No need to close down a large area.
- Safe radius of less than 1 meter.
- Lightweight and easy to transport.
- 24 hour working. No site shut downs saves project time and money.
- Needs longer exposure times.
- Equipment is more expensive to purchase than traditional RT.
- Needs experienced operators.

Radiographic Testing

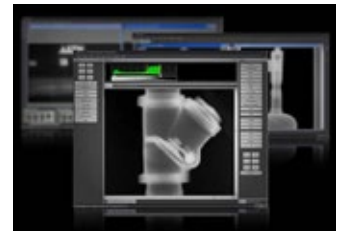
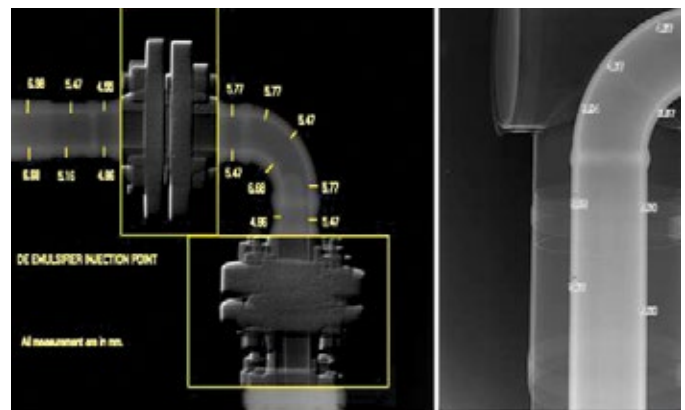
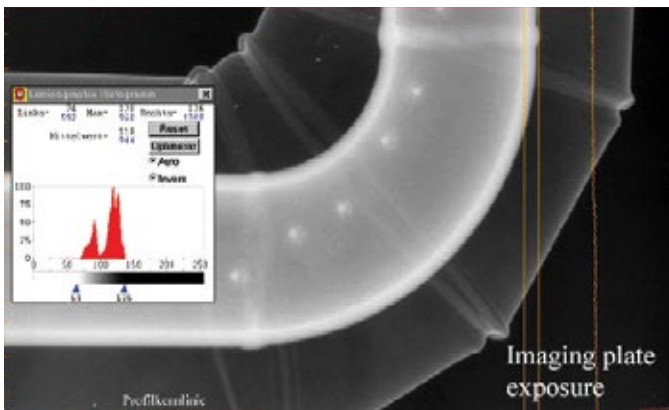
Radiographic Testing using Gamma Ray is a technique that has been used widely and is very well established. Whilst cost effective the disadvantage is that a large area needs to be cleared for safety reasons.

Advantages and Disadvantages

- Cost effective.
- Well known and widely used technique.
- Complies with international standards.
- Relatively easy to operate.
- Large areas of the worksite need to be closed down due to radiation safety.
- Closing down worksite can be costly.
- Hard to transport X-Ray equipment in some situations.

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X-Ray Tube

X-Ray tubes are designed to be portable units that are easy to transport and handle whilst containing significant penetrative power.

Advantages and Usage

- Low weight for easy handling and no bulky equipment.
- Robust design for field work.
- Cost efficient operation.
- Easier transportation and safety during transportation with no special documents required.
- Mainly used on larger bore piping.
- Needs electrical connection

Computed Radiography

Computed Radiography works on the same principle as standard RT but uses software and a specialized scanner to expose the film electronically onto a computer screen from where it can be analyzed and stored for reference.

Advantages and Usage

- No chemicals for film development.
- Re-usable image plates saves money in used films.
- Easier storage and access to data. Images kept on computer file.
- Faster exposure times.
- Faster results and images easily shared.
- Needs experienced operators.
- More expensive equipment.