

# DIGITAL RADIOGRAPHY (CR, DR)

Radiography is one of the most widely used techniques used in Non-Destructive Examination (NDE). Echo NDE's Digital Radiography service offers numerous benefits over conventional film images where profile radiography is utilized. Depending on the application, our Digital Radiography systems utilize hard panel's (DR) or flexible imaging plates (CR) instead of photographic film. As a result, high resolution images are formed within seconds and are able to be repeatedly produced. When compared with conventional methods Digital Radiography is faster, safer, has increased sensitivity, and a reduced environmental footprint.

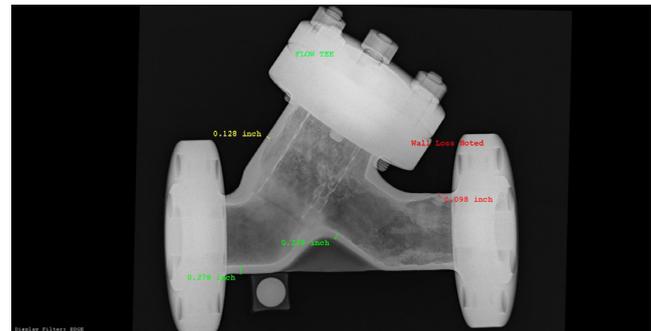
## ADVANTAGES TO FILM RADIOGRAPHY:

- Higher resolution images
- More accurate detectability of smaller defect
- Safer work environment
- Faster shot times
- Elimination of film and chemicals
- Versatile software exposure and interpretation tools
- DICONDE compliance



## OTHER ADVANTAGES:

- Compatible with both Iridium and X-Ray sources
- Reduced radiation hazards when utilizing close proximity X-Ray requiring shorter exposures and reduced barrier areas which is ideal for plant scenarios
- Fast and precise calibration by using a reference object
- Ability to integrate measurement tools directly onto the image, including wall thickness and pit measurements
- No fear of loss of information due to film degradation, film handling, or long time storage
- Supports the latest industrial standards
- Compliance with the DICONDE standard ensures the original images will remain accessible over time and the image data is compatible with all conformant systems
- Detailed reporting contains information about the image, its origin, and measurements



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