

Image acquisition through Computed Radiography (CR) is incorporating re-usable IP phosphor plates as a replacement for conventional film (RT). CR is either used as an addition to Digital Radiography (DR) for special applications or as a standalone technology. Most of the standard jobs can be done through real-time Flat Panel Detectors (FPD/DDA) a lot faster. Nevertheless, some inspection tasks require the image source to be wrapped around the specimen. CR is an excellent choice as IP plates are re-usable, no dark-room/chemicals are needed, the exposure time is reduced and the scan resolution can be adjusted freely even after exposure. VisiConsult directly integrated cutting-edge systems from Dürr NDT and set up an efficient inspection workflow. Multiple plates can be stitched together in case of big specimens or panoramic weld inspection.

- Direct integration in the Xplus for a seamless workflow
- Digital tools like image enhancement, overlays, sequences etc. can be used
- Maximum degree of automation for an easy inspection process
- DICONDE support in compliance to ASTM norms
- Convenient digital archiving of X-ray images and inspection results
- Resolution down to 30µm certified by the BAM



One of the main advantages of using a CR technology in comparison to a traditional film is that operators can continue working in the known Xplus user interface with existing sequences, filters, overlays and inspection workflows. Standards often require to archive the inspection results for multiple years, which requires huge physical archives to store films accordingly. Using the Xplus storage tools the digitized X-ray images can be archived conveniently in an image database or DICONDE server conforming to international standards. This saves time, space and money.

