

IMAGE SOURCES

ONE SYSTEM ALL HARDWARE

X-Ray images can be obtained through various technologies: Classic approaches are film (RT) and analogue Image Intensifiers (II).

Most modern applications use Digital Radiography (DR) through Flat Panel Detectors (FPD/DDA) and Line Cameras (LDA) or Computed Radiography (CR) through CR-scanners. Our in-house developed image enhancement software **Xplus** supports all available image sources. Furthermore, we are not bound to a certain brand and will offer you the best solution and not what we have to sell. This leads to a maximum degree of freedom in component selection. The only thing that matters for us is quality and cost-efficiency to supply the best solution for every application.

Every image source has their advantages and disadvantages. The DR technology for example provides the possibility to do a real-time inspection of test-parts. On the other hand, a DR panel is always a stiff structure, therefore if it is needed to wrap the image source around the specimen the choice would be CR or film. This selection is not trivial and requires a lot of practical experience. Our application engineers will do the necessary tests in our laboratory to advise the best setup for every case.

- Existing interfaces to all common image sources
- Complete integration of all hardware/software features (calibration etc.)
- Strong cooperation with all NDT suppliers for best quality
- Convenient plug & play setup of the image sources
- Same compatibility for X-ray generators and tubes



Image sources can be easily exchanged as all the device communication is natively set up in the *Xplus* image enhancement system. This also includes dead pixel correction, (auto)-calibration, sensitivity control and much more. For the end user *Xplus* is the only point of interaction. Even if multiple image sources are used, that could be possibly a film digitizer and a DDA, the operator always can work with the known user interface.

