

DICONDE

DIGITAL IMAGING AND COMMUNICATION IN NDE

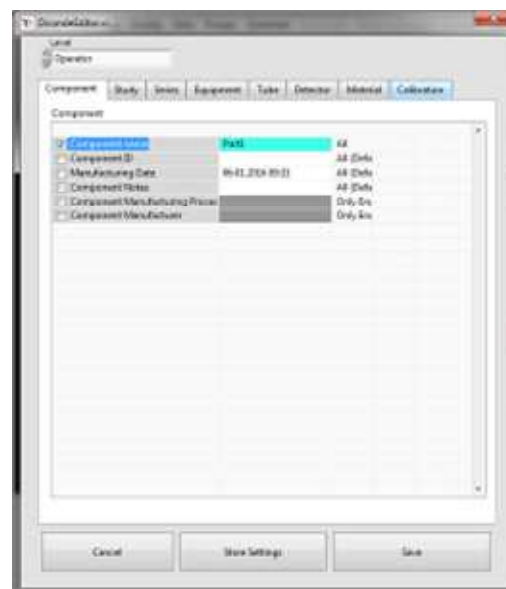


VisiConsult
X-ray Systems & Solutions

Modern day inspection consists of many different methods and sub-processes like visual inspection, ultra-sonic, hardness-testing, X-ray inspection and many more. DICONDE is a file format and communication protocol that ensures the compatibility between every single step and makes sure all information are saved lossless in compliance to the international standards. The *Xplus* offers, among many other storage solution, a vendor neutral and scalable DICONDE functionality to archive the inspection results.

In order to ensure compatibility to existing servers VisiConsult has a compliant conformance statement. In case no solution is present the system can also run as a standalone enterprise server. In many industries, for example aerospace, safe storage of the inspection results is compulsory during the product live-cycle by law. This led to huge physical film archives and was a huge burden for Digital Radiography (DR). With DICONDE manufacturers can ensure the image integrity conforming to ASTM inspection standards and easily do the efficiency increasing switch from RT to DR/CR. As a great side effects no film archives have to be maintained anymore.

- Lossless archiving of images and inspection results
- Compliant DICONDE conformance statement
- Embedded or running as a stand-alone server
- Allows a compatible multi-vendor inspection
- Compliant to ASTM-E2339, E2699, E2738, E2767
- Automated saving process and information retrieval
- Easy customizing through the supervisor
- One click operation for the end-user



It is undisputed that DICONDE is the most advanced and comprehensive storage technology on the market. Nevertheless, some industries do not require such a sophisticated archiving. The *Xplus* inspection suite offers also a broad variety of other storage solutions. Images can be saved in all common formats with inspection results as overlays, in a database or in a configurable report. This leads to a very flexible storage solution that can be easily modified.

Through the *Xplus* sequence builder file names and mandatory process parameters can be configured by the supervisor. When storing an image all inspection and process information is automatically saved, while extra information like decision, comments etc. is requested from the operator. This leads to a single button saving procedure for a maximum efficiency and process-stability.

