



VisiConsult
X-ray Systems & Solutions

XRHPipe

THE INSPECTION SYSTEM FOR HEAVY PIPES

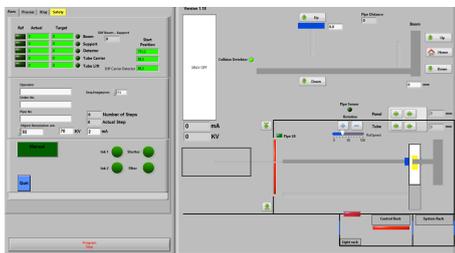
Customized – Can be easily adapted to products, processes or space availability

To prove their product quality, pipe manufacturers have to perform an X-ray inspection in compliance to EN-17636. Every weld has to be inspected and the result archived. This time-consuming task can bind a lot of manpower and cause a bottleneck in everyday production. The XRHPipe is combining the sophisticated *Xplus* image enhancement system with automated part handling for heavy and big pipes.

The goal was to create a system that offers the highest degree of automation, simple handling and excellent image quality. The XRHPipe can inspect longitudinal, circumferential and even spiral welds. Proven through many installations on the market every system can be customized to specific products, inspection processes or space availability in the workshop.



Efficient – Reduced cycle time through automated processes



To increase the throughput, the control software *Xplus Handle* offers a high degree of automation. Inspection will become as easy as pressing a single button: On startup the pipe moves into the system, the pipe length is detected to close the doors as early as possible.

During inspection the tube moves stepwise by tracking the weld the operator can perform image enhancement or add comments in every step. The system will follow each circumferential and longitudinal weld as defined in the inspection sequence. That means the operator just has to do the actual decision. Every other step is automated.

High quality – Brilliant image quality and advanced storage functions

The *Xplus* image enhancement system provides a broad portfolio of tools to increase the image quality. Most important is an advanced noise reduction that is allowed by EN-17636. To assist the operator a variety of filters highlight the defects for further inspection assistance. To store the images compliant to archiving laws the customer can choose from different platforms like DICONDE, image-file plus overlay, databases and many more.

In case of a desired real-time inspection the *Xplus^{VCR}* module adds a high quality video recorder to the inspection tools. Together with a real-time panel complete inspection procedure can be archived if required.

