

THE SOLUTION FOR LONGITUDINAL WELD INSPECTION

High Resolution – Micro-focus tube, high accuracy panel and precise motors

The XRHTube was developed for high resolution double-wall weld inspection of titanium pipes. In this setup a 150kV micro-focus tube is combined with a high-accuracy live detector to inspect wall thicknesses up to 1.6 mm. The result is an image complying to EN17636 even though the weld is inspected through both pipe walls.

The manipulator can mount different pipes with a diameter from 3" to 9". The main purpose is to inspect the longitudinal weld but also elliptical inspection of circumferential welds is possible through a turning axes and the C arm tilt. The system is a classic custom system that can be adapted to many different pipe inspection applications.



Reliable – Count on market-proven and certified image quality



Experience brilliant quality through the *Xplus* image enhancement system. VisiConsult is especially proud to be certified by the **NADCAP** and **Boeing 7042/7044** standards. With a successful installation at a renown German aerospace supplier the XRHTube is recognized and certified for high quality inspection results in respect to the most demanding standards.

The XRHTube is designed to speed up the tedious inspection process through film or CR, while still being compliant to the demanding aerospace standards. The image enhancement, handling system, safety control and the **DICONDE** storage are bundled into one comprehensive workplace for a maximum convenience.

Efficient – Maximum throughput due to a high degree of automation

VisiConsult as a solution provider has the philosophy that our customers should not adapt their processes to our systems but the other way around. Therefore, the dimensions of the XRHTube can be modified to fit your inspection problem and area. The reference system is designed for manual loading and manual manipulation. Nevertheless, all axes can be designed CNC programmable to allow complex inspection sequences and even in-line inspection.

Our experienced engineering team is looking forward to hear about your inspection problem. Together we will achieve a high quality solution that reduces your overhead and costs. Contact us with more information.

