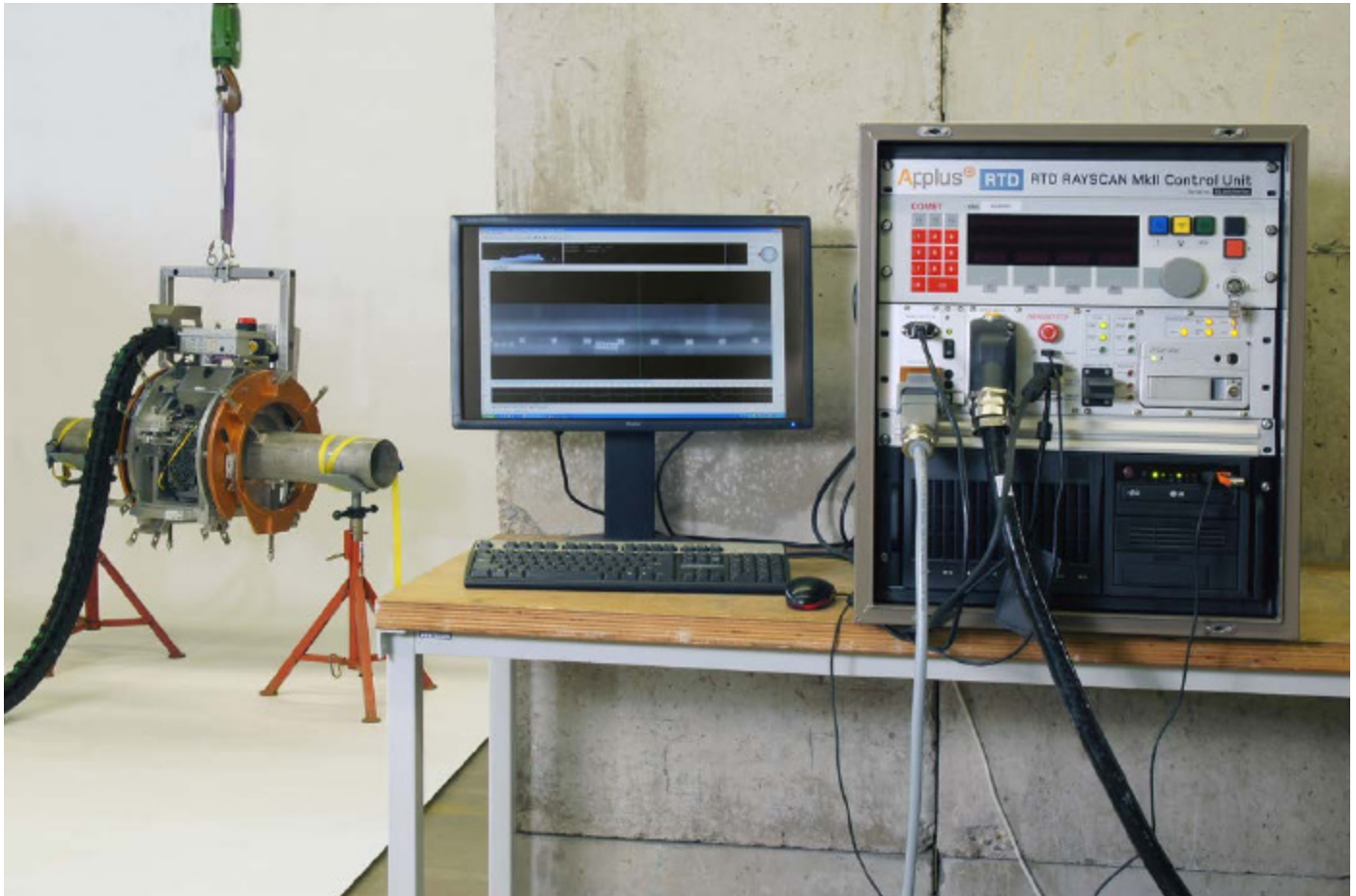


RTD Rayscan™

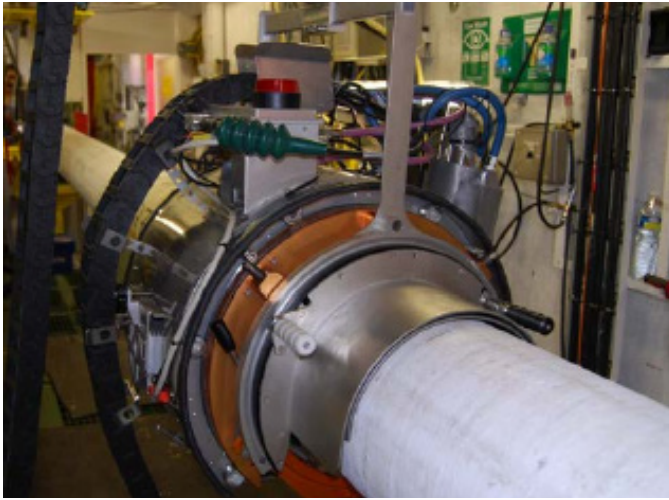
Digital Real Time Radiographic Inspection of Girth Welds



The RTD Rayscan is a digital real time radiographic inspection system (RTR). To complete a full inspection the system only needs to scan around the pipe once. The system has a double wall single image (DWSI) and a single wall single image (SWSI) application and it can inspect pipes with a diameter range from 2" - 56". The DWSI uses a source located on the scanner frame and the SWSI uses an X-ray crawler.

Key Advantages

- Cost efficient, no consumables
- Quick cycle time
 - High scan speed
 - No development time
 - Direct interpretation and feedback
- Quality equal / better than film
- Increased safety
 - Reduced radiation required
 - Collimated X-Ray beam
 - Shielded scanner design
- Environment friendly, no chemical waste management required
- Very well suitability for:
 - 2" - 56" diameters
 - Thin wall thickness
 - Austenitic material
 - CRA pipeline
 - Root & hot pass inspection



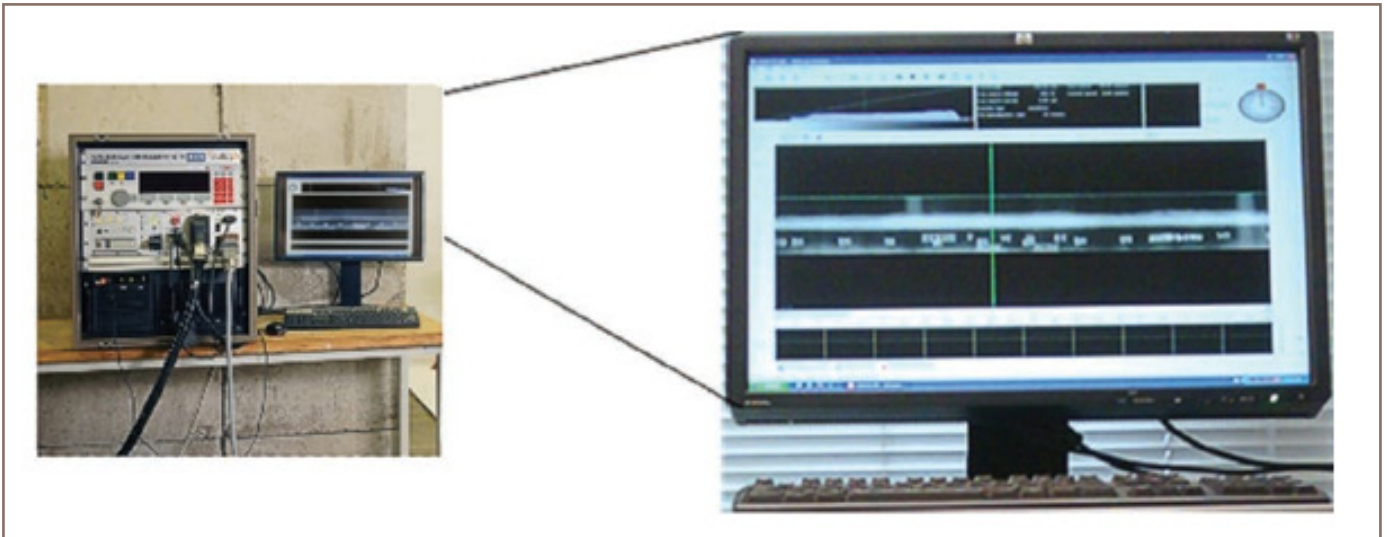
Offshore / Spoolbase

This system is used for inspecting pipelines with diameters ranging from 2-30". The source is an X-Ray tube that is attached to the scanner for DWSI technique. Directly opposite to it is the detector covered by lead shielding. This system can be fitted with additional shielding to protect the user and reduce the minimum controlled area around it.



Land Line / Mobile

This system is used for inspecting pipelines with diameters ranging from 4"-56". For 4"-30" pipe the source is an external X-Ray tube that is attached to a scanner bug opposite of the detector for DWSI technique. For 10"- 56" pipe the source is an X-Ray crawler for SWSI technique. The detector is mounted on a scanner bug that scans around the pipe on a guided band.



The system complies to requirements of various industry standards (ASME, API , DNV, EN-ISO).