

Automated Ultrasonics

In the late 1980's a requirement for girth-weld inspection utilizing this unique ultrasonic technology evolved where Shaw Pipeline Services developed an Automatic Ultrasonic System (AUT System) to assist with this requirement and completed a number of major projects for the TransCanada Pipeline. Since 1991, Shaw Pipeline Services has developed a comprehensive range of proven ultrasonic and radiographic pipeline weld inspection services. The latest being Real Time Radiography (RTR) where the X-Ray results are digitally displayed through an interface on a computer screen for disposition. Committed to quality, safety and technological advancement, Shaw Pipeline Services has established a track record of successes unparalleled in the oil and gas inspection sector.

Shaw Pipeline Services (SPS) commitment to quality and service is evident as we continue to raise the bar and set new standards in Automatic Ultrasonic Testing (AUT). With an experience level in regards inspection now in excess of 5,000,000 welds inspected, SPS continues not only as the industry leader in the provision of both AUT and Radiographic Inspection Services, but through a 20-year history in the industry, has an unparalleled track record in successful projects involving critical weld inspection for carbon steel as well as CLAD lines piping materials.

Shaw Pipeline Services introduces our field proven HDUT (High Definition Ultrasonic Testing). HDUT is packaged as a solution for inspection of girth-welds on land and offshore pipeline projects. HDUT continues to provide traditional Pulse Echo (single probe) inspection techniques with the highest resolution/definition available in the industry today, as well as Shaw Pipeline Services latest offering of HDHPA (High Definition Hybrid Phased Array). Shaw Pipeline Services introduced this cutting edge technology to the market after 5 years of extensive achievements, developments, evaluations and success of every challenge learned through our years of experience. Others have tried, but none can compare to the service excellence Shaw Pipeline Services delivers through our new technology, training, experience and personnel.



HDUT Calibration



SPS Mainline Production

Included within the HDUT solution are Shaw Pipeline Services proprietary "Auto Detection" and "SPS Audit" software. Auto Detection provides assistance to the operator through introduction of project specific acceptance criteria into our proprietary Detection Software, whereby the software provides an additional screen detailing any relevant indications found during the initial scan that break the clients predefined exception criteria. The SPS Audit system monitors over 5,000 parameters in real time, providing feedback for any parameter which may be outside of the setup specification.