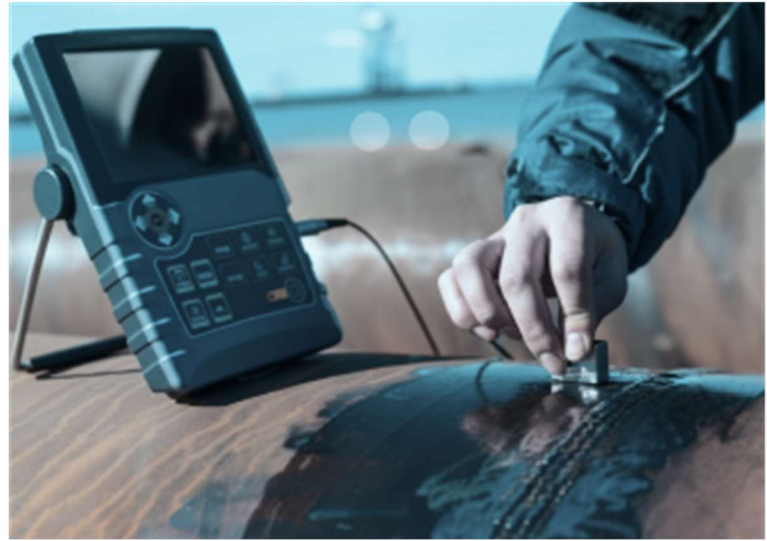




NDT UT

(Ultrasonic testing)

What's included with the service?

Ultrasonic testing (UT) enables the detection of internal material discontinuities and the assessment of welded joint quality without the need to interfere with the structure being tested. This method is used to inspect thick components, steel structures, pipelines, pressure vessels, and components of industrial machinery and equipment.

As part of our service, we provide:

- Inspection of welded joints and base materials to detect internal discontinuities and assess workmanship.
- Detection of internal defects such as cracks, lack of fusion, adhesion, porosity, non-metallic inclusions, delamination, and other material inconsistencies.
- Testing of structural components, including sheets, forgings, castings, shafts, axles, and components operating under high pressure and load.
- Assessment of compliance with applicable standards, technical documentation, and customer-specified acceptance criteria.
- A detailed test report containing a description of the inspection, measurement results, location of detected inconsistencies, and, if necessary, photographic documentation or visualization of the results.
- Recommendations for further action, including repair, additional NDT testing, or approval of the component for continued use.
- Tests performed by certified personnel in accordance with applicable standards, procedures, customer requirements, and technical inspection regulations.

Ultrasonic testing ensures high efficiency in detecting internal defects, enables the assessment of component quality during production, assembly, and operation, and supports decision-making regarding repairs, technical acceptance, and continued use of equipment.