



NDT ET

(eddy current testing)

What will you receive as part of the service?

Eddy current testing (ET) enables the detection of surface and near-surface discontinuities and the assessment of the condition of electrically conductive materials. It is applied to surfaces coated with anti-corrosion paint. This non-invasive method is widely used in the inspection of heat exchanger tubes, aircraft components, machine components, and mechanically processed products.

Our services include:

- Inspection of components made of conductive materials such as steel, stainless steel, aluminium, copper, and their alloys.
- Detection of surface and near-surface discontinuities, including cracks, corrosion, material loss, and other defects affecting operational safety.
- Inspection of heat exchanger tubes, condensers, and coolers, enabling the identification of damage without the need to disassemble entire systems.
- Assessment of the technical condition of components in terms of wear, material changes, and workmanship.
- A detailed test report, including a description of the inspection, inspection results, the location of any detected nonconformities, and, if necessary, photographic documentation.
- Recommendations for further action, including repair, additional NDT testing, or approval of the component for further use.
- Tests performed by certified personnel in accordance with applicable standards, procedures, customer requirements, and technical inspection regulations.

Edge current testing allows for quick and precise defect detection without damaging the component being tested. The method's high sensitivity allows for early identification of damage, failure prevention, and confirmation of the quality and reliability of the components being tested.