



NDT MT

(Magnetic Particle Testing)

What do you get as part of the service?

Magnetic particle testing (MT) allows for the detection of surface and subsurface discontinuities in ferromagnetic materials. This method is particularly effective in inspecting welded joints, castings, forgings, and machine components exposed to high operational loads.

As part of our service, we provide:

- Inspection of ferromagnetic components, such as steel structures, welds, pipelines, tanks, shafts, axles, and other steel components.
- Detection of surface and subsurface discontinuities, including cracks, fatigue cracks, overlaps, pinholes, and other material defects.
- Quality control of welded joints during production, assembly, repairs, and technical acceptance.
- Assessment of compliance with applicable standards, design requirements, and acceptance criteria.
- A detailed test report containing a description of the inspection, inspection results, location of detected nonconformities, and, if necessary, photographic documentation.
- Recommendations for further action, including repair, additional NDT testing, or approval of the component for further operation.
- Tests performed by certified personnel in accordance with applicable standards, procedures, and the requirements of the Office of Technical Inspection and the client.

Magnetic particle testing enables the quick and precise detection of defects that could lead to operational damage or failure. Its use increases the safety of structures and equipment, confirms the quality of workmanship, and supports compliance with quality and acceptance requirements.