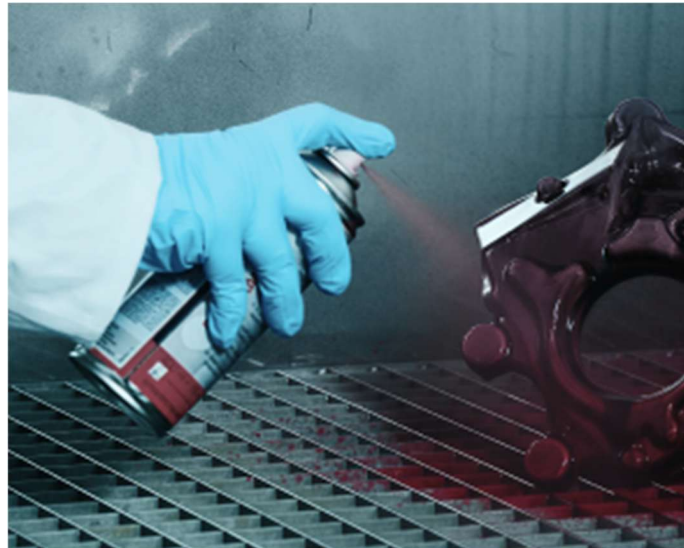




## NDT PT

(Penetrant testing)

### What's included with the service?

Penetrant testing (PT) enables the detection of surface-exposed discontinuities, such as cracks, porosity, and leaks. As part of this service, we provide comprehensive component inspection and documentation confirming the quality and safety of workmanship.

The scope of the service includes:

- Surface testing of metallic and non-metallic components, including welds, castings, forgings, and machined components.
- Detection of surface discontinuities, such as cracks, microcracks, porosity, lap joints, leaks, and other surface-exposed defects.
- Quality control of welded joints before technical acceptance, commissioning, or after repairs.
- Assessment of compliance with applicable standards, design requirements, and acceptance criteria.
- Detailed test report, including 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 release of the component for further use.
- Tests are performed by certified personnel in accordance with applicable standards, customer requirements, and technical inspection regulations.

Penetrant testing is particularly effective in monitoring the quality of welds and components susceptible to surface cracking. It allows for early detection of imperfections, reduces the risk of failure, and confirms the quality of workmanship before components are put into service. This method is used for both ferromagnetic (black) and stainless steel.