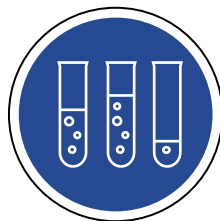


# CORROSION TESTS

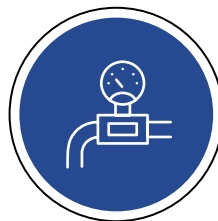
We have available the most complexly equipped laboratories for corrosion tests in Slovakia, regarding the types of tests. We perform the standard laboratory corrosion tests and special tests on our unique equipments.



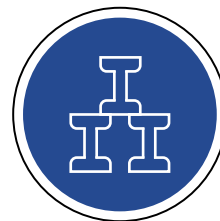
**automotive industry**



**chemical and petrochemical industry**



**oil and gas industry**



**steel constructions**



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# LABORATORY OF CORROSION TESTS PRIMARY SERVES FOR THE QUALITY APPROVAL IN MATERIALS AND COMPONENTS FROM THE VIEWPOINT OF CORROSION RESISTANCE.



## OUR BENEFITS

- » The most complex set of corrosion tests in Slovakia. The new-built laboratories and new fully-automated equipments.
- » Specialists with long-time experience.
- » Preparation of tailored specimens in cooperation with technologists and designers.
- » Individual approach, specific tests tailored for the needs of customers.
- » Possibility of a complex metallurgical assessment and chemical and structural analysis of corrosion damage.



## CORROSION TESTS

1. Determination of coating thickness. Gravimetrically in accordance with STN EN ISO 1460, STN EN ISO 3882 and STN EN ISO 3892 standards and metallographically in accordance with STN EN ISO 1463 standard.
2. Determination of resistance against intercrystalline corrosion in accordance with STN EN ISO 3651-1,2 and ČSN ISO 11846 standards.
3. Assessing the susceptibility of metallic materials to corrosion cracking in different environments in accordance with ČSNEN ISO 7539-(1-8) standard.
4. Accelerated corrosion tests in the simulated contaminated atmospheres in accordance with EN ISO 9227 (ASTM B117), STN 03 813 and STN EN ISO 6270 -1,2 standards.
5. Accelerated corrosion tests of the point and crevice corrosion in accordance with STN 03 8171, STN EN ISO 11 463 and ASTM G48 standards.
6. Tests of corrosion cracking in the environment of hydrogen sulphide in accordance with NACE TM0177 specification.



## EQUIPMENTS OF LABORATORY FOR THE CORROSION TESTS:

- » Corrosion chamber - large
- » Corrosion chamber - small (Condensing chamber)
- » Potentiostat
- » SSRT equipment
- » Autoclave + laboratory loop