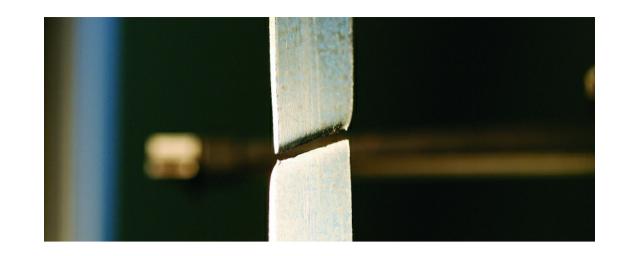
MECHANICAL PROPERTIES OF METALLIC MATERIALS

Measure the mechanical properties of a metallic material



Your expectations

You would like to carry out tests to know the mechanical properties specific to your material You would like to determine the steel grade corresponding to your material You are seeking reliable analysis and characterisation methods You would like to ensure the traceability of your mechanical tests

Our solutions

A specialised team and resources in the field of test and characterisation of metallic materials Static tensile tests to determine the mechanical properties (maximum strength, yield strength, module of elasticity, elongation, etc.), at room temperature, at high temperatures up to maximum 1250°C, at low temperatures ranging to -196°C.

Impact bending tests (measurement of notch impact strength) on previously notched metallic test specimen, between ambient temperature and -196°C,

Hardness measurements (Vickers, Brinell and Rockwell B and C)

Flattening, bending, flaring tests,

Tests and characterisation of many metals and alloys, either on standardised tests specimens or on products (tubes, bolts, etc.)

Your benefits



Standardised mechanical tests or tests customised to meet your requirements Development of specific test protocols

COFRAC accredited tests (accreditations COFRAC No. 1-1006 & No. 1-6755 - Scope available on www.cofrac.fr) Tailored and responsive service providing you with 6 local laboratories

Access to the multidisciplinary skills of metallurgical teams to optimise your products

Expertise relating to the whole of the usual metal processing (machining-bar turning, metallic additive manufacturing, welding, rolling, casting, forging, etc.).

An independent laboratory and a major player in the aerospace, energy, rail, automobile, medical and naval sectors).







