

# TESTING OF SEALING PRODUCTS AND COMPONENTS



**Characterise and qualify your sealing products and components**

## Your expectations

Sealing products used in mechanical systems, pressure vessels or fluid systems, such as flat gaskets for flanged seals, packing and mechanical seals for stems, dynamic seals for rotating shafts or rods moving in translation, must comply with requirements for use under severe operating conditions.

### **You are a manufacturer seeking to:**

Qualify a component in relation to a standard or specific or extreme conditions (extreme temperature and pressure, explosive decompression, ageing in an aggressive medium, biolubricant, radiation exposure, very high friction velocity)

Set the operating range of a product

Develop a protocol for laboratory testing or production inspections

**You are a user** and, to comply with safety requirements and/or given the requirements related with the energy transition and ecological transition, you have to assess the sealing performance under conditions similar to service conditions (e.g. pressure, temperature)

## Our solutions

We can assist you with your characterisation tests by providing a broad range of solutions (pressure: from vacuum to 700 bar for gases – 2,000 bar for oil; temperature: from very low temperature (cryogenic) to 1,000°C; various solutions for leak measurements)

Our experts know the main customer specifications, standards, multisector regulations

We can help you develop the most appropriate laboratory leak testing protocol

We can offer our test engineering expertise, particularly in relation to ageing and the service life of sealing products.”

## Your benefits

An independent laboratory, whose skills are sought after by major contractors and leading players in the nuclear energy, O&G, petrochemical, aerospace and industrial refrigeration sectors

An overall approach with comprehensive analysis equipment (tightness, mechanical and physical-chemical)

Our responsiveness combined with our broad range of solutions will help you to save on development time



Timely and relevant advice based on over 40 years' experience in many industrial sectors  
Upskilling of your staff via specially-tailored training courses”