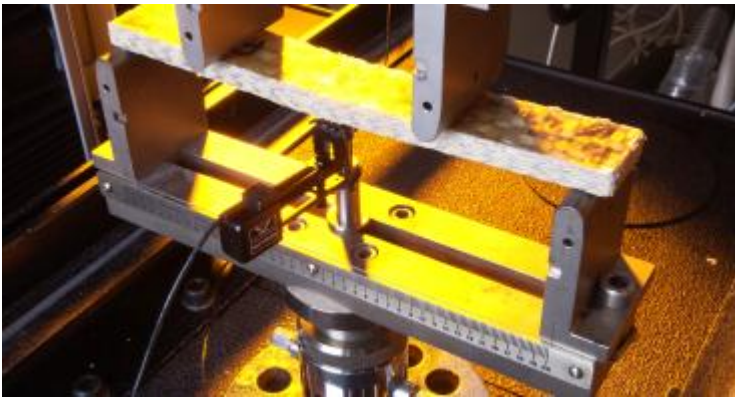


Testing and analysing polymer/composite materials

Polymer, elastomer, composite materials



Specialist's advice to implement an alternative to metals

YOUR EXPECTATIONS

As part of the design or development of your products:

- characterising and qualifying composite, plastic and elastomer materials in comparison with the expected applications
- validating the expected behaviour of your parts or structures including these materials

OUR SOLUTIONS

Characterising and analysing the behaviour of composite, plastic and elastomer materials

- recommending and defining testing protocols according to the materials and expected functions
- precise characterisation of materials, determination of behaviour laws with innovative equipment (video-strain), special fixtures (e.g. compression and shear), impact tests
- standardised tests
- mechanical and physical-chemical tests
- prediction of services lives and ageing tests (weathering, creep, fatigue tests, etc.)
- use of advance simulation equipment in order to establish calculation/tests correlations
- material health test

YOUR BENEFITS

Cetim's multiple competences associate the characterising and testing approach with expertise in design or redesign and failure analysis. Cetim's multiple competences also allow carrying out projects of multi-material parts or structures (composite, plastic, elastomer, metal, etc.)



Question and Answer Service

Phone : +33 970 821 680

sqr@cetim.fr

www.cetim.fr

