



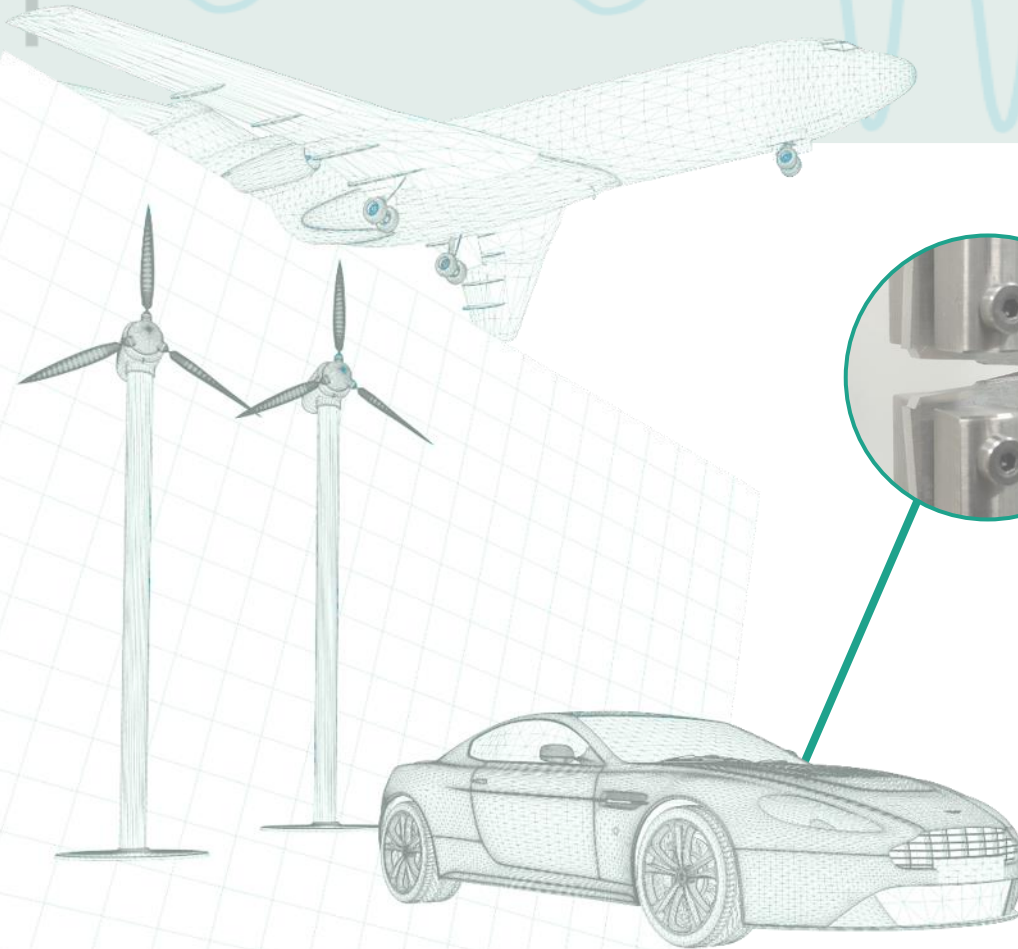
# TECHSPERT

MATERIALS TESTING LAB

## Offering solutions that meet your testing needs



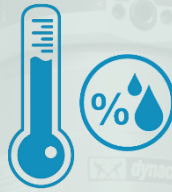
TECHSPERT Materials Testing Lab offers a wide range of tests to evaluate composites, polymers, metals, additive manufactured materials and finished products. Whether you need to test to a standard method or develop a custom testing program, we are equipped to provide the answers and data you need.



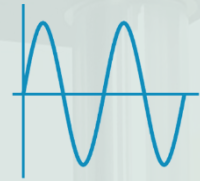
TECHSPERT offers a wide variety of material and components testing services in many loading conditions, loading rates, and environmental conditions.



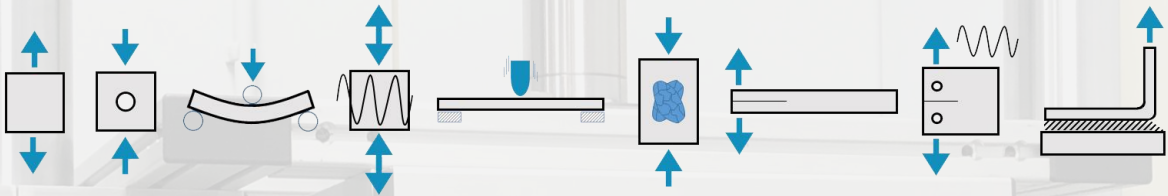
Load range  
1 N to 1250 kN



Environmental range  
-150 °C to +350 °C  
10 % to 95 % humidity



Test frequency  
Up to 50 Hz



#### ● Testing Expertise

- Testing on a wide range of materials (composites, polymers, metals, additive,...)
- Standardized and custom test programs
- High quality test data and analysis
- State-of-the-art calibrated equipment
- Comprehensive test reports, raw and processed data files
- Custom datasets for FEA simulation and validation
- Decades of combined mechanical testing experience

#### ● Material and Product Characterization

Our lab has the facilities and expertise to provide short throughput materials evaluations covering:

- Static | Fatigue | Dynamic Impact | High-Rate
- Tension | Compression | Bending | Shear | Fracture Toughness
- Analytical Tests | Fiber Volume | Density
- Environmental | Humidity | Ageing
- Microscopic Analysis | Failure Analysis

#### ● Advanced Data Acquisition

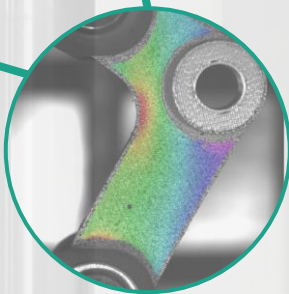
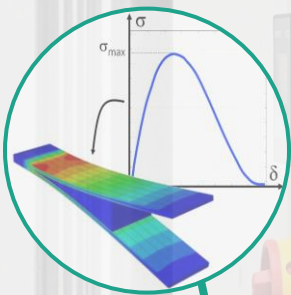
- Full-Field Digital Image Correlation (static | dynamic | high-rate)
- Video extensometry by marker tracking
- In-situ synchronized camera monitoring
- High-speed imaging

#### ● Accreditation

Techspert uses witnessing procedures to deliver approved report in accordance to IEC/ISO 17025 and NadCap AC7122/1

For more information please visit <http://www.techspert.be>

For more information about Techspert testing services, please contact us at [info@techspert.be](mailto:info@techspert.be)



**TECHSPERT**  
Materials Testing Lab

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