“THINKING IN MICRO-SCALE”

Are you interested in the local deformation of your component and you want to know what is happening on a micro-scale in your component, then this facility provides you with answers. The micro-mechanical test facility provides you with information during mechanical testing and the first stages of defect formation and/or cracking.
Test data on single fibers or wires
The technical data about single fibers or wires and their behaviour under loading is not always present; therefore we provide you the tool to get this data from a simple test.

Determination of the weakest link
Adhesive bonding is a well-known technique for connecting material. However it is also a weak link in a structure. With micro-mechanical tests we can help you to understand the failure mechanism of bonded structures and thereby improve their reliability.

Detection of small defect
Validation of FEM models and engineering data is essential for designing and/or manufacturing of components. Without validation it remains an assumption. With the results of micro-mechanical testing we can guide you to validation.

Features
- Tensile, compression and three/four point bending
- Flexible specimen geometry and sample design
- Flexible in use under binocular, light microscope and in the Scanning Electron Microscope
- Micro-mechanical specimen design
- Delivers input for local displacement into Aramis

“EMINENCE IN FINDING SMALL DETAILS”