

Application

Microtensile Testing Machines Series LFV 0.5-S

Specially designed for static and dynamic testing of micro-sized specimens of thin films

Features:

- Static and dynamic testing up to 500 N and 30 Hz
- X-Y position stage for ultra-precise positioning and movement of the samples
- High resolution (0.1 μm) displacement option
- Three different load cells 500 N, 20 N and 1 N
- Ultra lightweight grips and MEMS bend fixture
- Environmental chamber for -80°C to $+250^{\circ}\text{C}$
- Laser speckle Extensometer for non-contacting deformation measurement without marking and resolution of 0.1 μm
- With universal testing software **DION** for static tensile and bending tests as well as user programmable tests, free controlling of testing machine and data acquisition
- Machine available with different load capacities ranging between 250 N to 3000 N



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