



Certified
Metrology Partner



ARAMIS Adjustable 12M

The all-rounder for optical 3D measurement of strain, deformation and displacement

The ARAMIS Adjustable 12M optical measurement system offers a camera resolution of 12 megapixels and various image capture modes to optimally adapt to different measuring tasks from the spectrum of the quasi-static testing of material samples, components and structures. From tensile samples to airplane wings in the bending test – thanks to the scalable optical 3D measuring technology from ZEISS, preparation times for physical tests can be significantly reduced. Based on photogrammetric methods, the ARAMIS Adjustable 12M system delivers precise measurement values for 3D displacements, 3D deformations and surface strains.



Benefits at a glance

- Multi-sensor system: optical LVDT, optical acceleration sensor, optical strain gage and extensometer in one system
- Dense mesh of 3D measurement points
- Detect unforeseen deformation behavior
- Saves time in test preparation
- Certified performance through acceptance tests in accordance with VDI 2634-1 and VDI 2626

Specifications

- 25 frames per second (fps) at full resolution of 12 Megapixel (4096 × 3000 pixels)
- 2D-setup possible for flat specimen (e. g. tensile test)
- Sensor design for maximum flexibility in testing applications
- Modularly expandable with illumination solutions and measuring volumes

Technical Data

Camera resolution (pixels)	4096 × 3000 pixels
Maximum frame rate (fps)	25 fps at 4096 × 3000 pixels (full resolution) 43 fps at 2496 × 2096 pixels (5M) 75 fps at 4096 × 1000 pixels (1/3 image) 100 fps with a lower resolution (binning) 150 fps at 4096 × 500 pixels (1/6 image)
Standard measurement volume* Length × Width (mm)	35 × 25 mm up to 5000 × 4000 mm

* Larger or smaller measuring ranges can be achieved with the ARAMIS Adjustable 12M as special solutions. Please do not hesitate to contact our employees on this subject.

Would you like to learn more?

Contact