



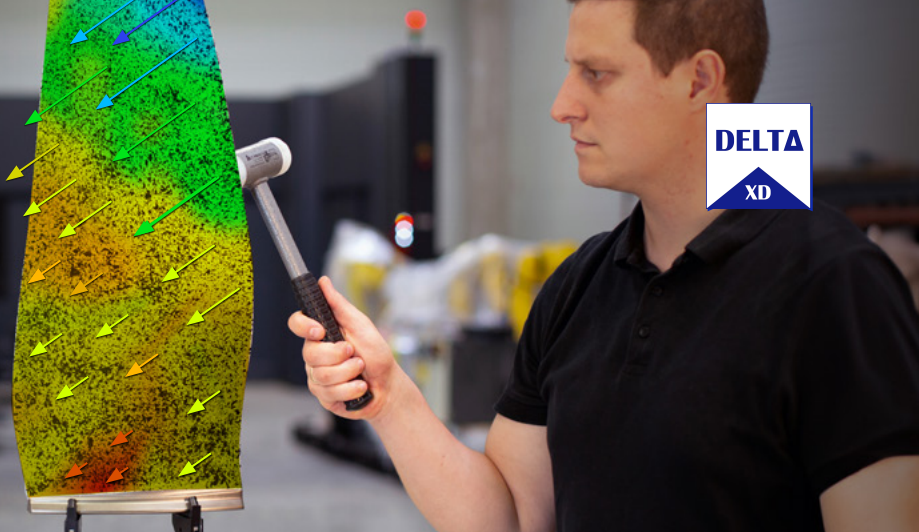
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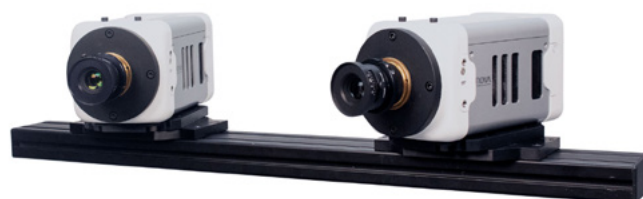
XD

ARAMIS High Speed

3D Data acquisition at top speed



The ARAMIS High Speed system enables the contactless measurement of 3D deformations, 3D displacements and strains on the surface during high-dynamic tests such as the Split Hopkinson Bar test, impact tests and crash tests on components and structures. In addition, the optical 3D measurement system is also used to determine operating deflection shapes and to analyze in detail the vibration behavior of components and structures.



Benefits at a glance

- Flexibly adaptable to the measuring task
- Optical LVDT and optical strain gauge in one sensor
- Synchronous measurement of many 3D points
- Time savings in test preparation thanks to non-contact measurement principle

Specifications

- Individually configurable
- 2D and 3D sensor setups possible
- Modularly expandable with illumination solutions and measurement volumes

Technical Data *

	ARAMIS High Speed	ARAMIS High Speed
Camera resolution (pixels)	1024 × 1024 Pixel	1024 × 1024 Pixel
Maximum frame rate (fps)	6,400 fps at 1024 × 1024 pixels 64,000 fps at 256 × 256 pixels 160,000 fps at 128 × 128 pixels 800,000 fps at 128 × 16 pixels	18,750 fps at 1024 × 1024 pixels 165,000 fps at 256 × 256 pixels 375,000 fps at 128 × 128 pixels 1,100,000 fps at 128 × 16 pixels
Standard measurement volume ** Length × Width (mm)	15 × 15 mm up to 5000 × 5000 mm	15 × 15 mm up to 5000 × 5000 mm

* Selected system configurations from the available product portfolio of the ARAMIS high-speed systems. Additional camera versions are available.

** Larger or smaller measuring ranges can be realized with ARAMIS High Speed as special solutions. Please get in touch with our experts on this topic.

Would you like to learn more?

Contact