

Precision pushing the measurement above and beyond



Discover our new **videoextensometer AMEE 3D VEX** that brings top-notch measurement precision, fast real-time data processing and control as easy as it gets. This solution is designed for modern laboratories and heavy-duty operation where every last detail counts.

AMEE 3D VEX is a synonym for reliability, performance and efficiency. Thanks to the advanced 3D Digital Image Correlation technology, it brings exceptional precision and certainty to every measurement. Furthermore, its intuitive operation simplifies everyday tasks, effectively speeding up the testing process. Combining lightweight materials with modern design results in smooth device manipulation and operation.

Our newest software **Mercury RT® Falcon** is the heart of the system, pushing the processing capabilities to the limits. It brings **extraordinary computational speed**, smooth data processing and even greater measurement accuracy. This ensures smoother workflow, more data and precise control of all measurements.

If you want the best, you need an AMEE 3D VEX.

A modern extensometer designed for those who want precision, speed and simplicity without compromise.

KEY BENEFITS:

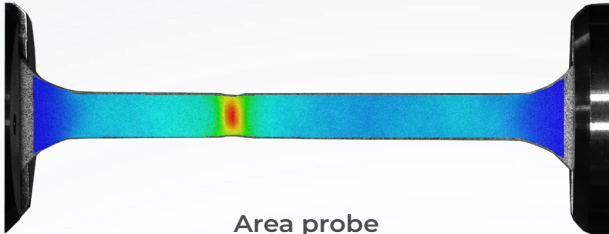
- Top-notch measurement accuracy
- Intuitive workflow
- Exceptional computational speed
- Reliability of the results
- Adaptive hardware for different sizes and working distance

TECHNICAL SPECIFICATIONS:

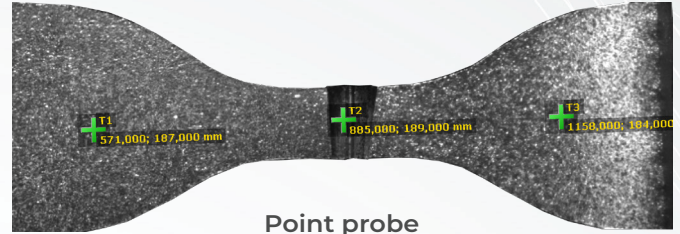
Camera resolution	Up to 12MP
Acquisition rate	Up to 150 fps
Lighting	LED blue light
Classification	ISO 9513 Class 0.2 ASTM E 83 Equivalent

VERSATILE PROBES (virtual measurement tools):

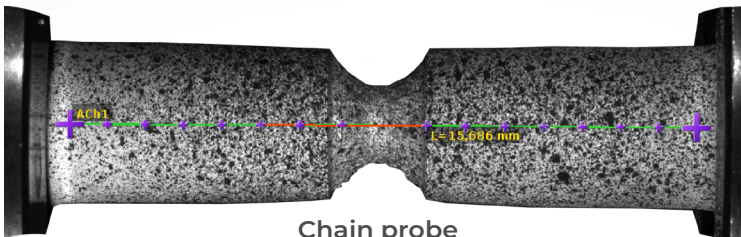
- **Point Probe** tracks position, displacement, velocity and acceleration.
- **Line Probe** measures distance and calculates strain, angles and angular velocity.
- **Chain Probe** enhances precision by calculating data from the highest elongation segment.
- **Area Probe** provides results such as displacement fields, strain fields, and deformation analysis within the selected area.



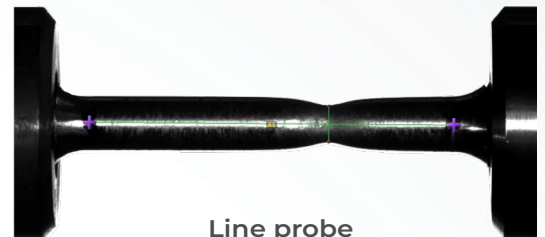
Area probe



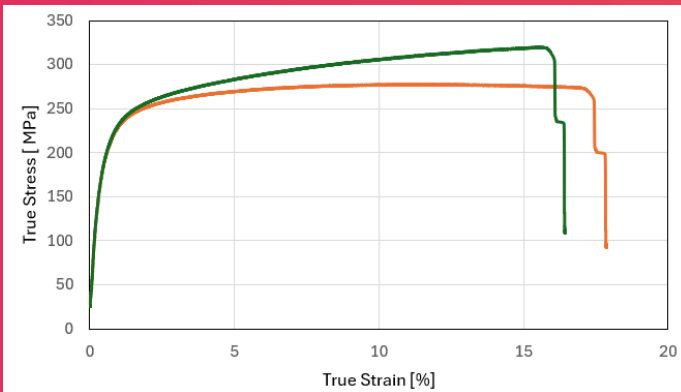
Point probe



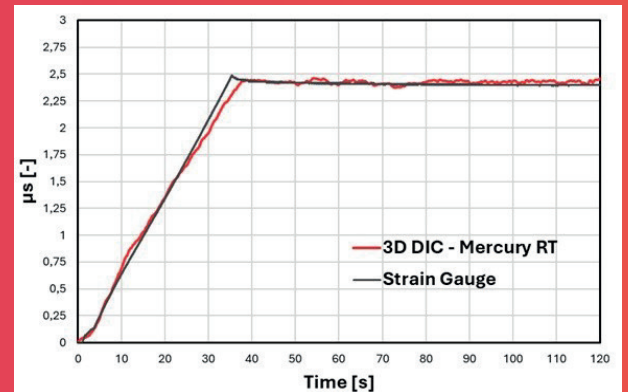
Chain probe



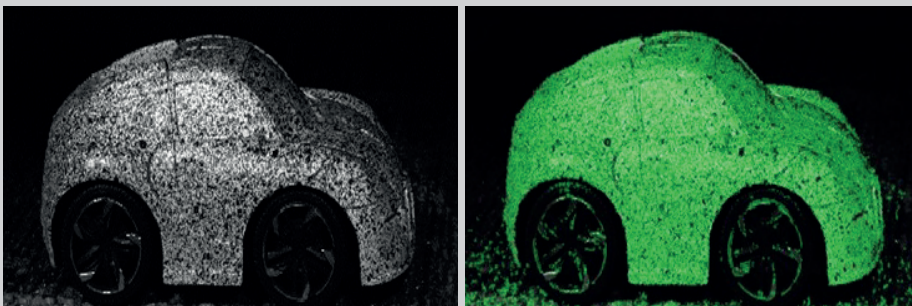
Line probe



Stress - Strain Graph



AMEE 3D DIC vs. Strain Gauge comparison



Focus tool

