

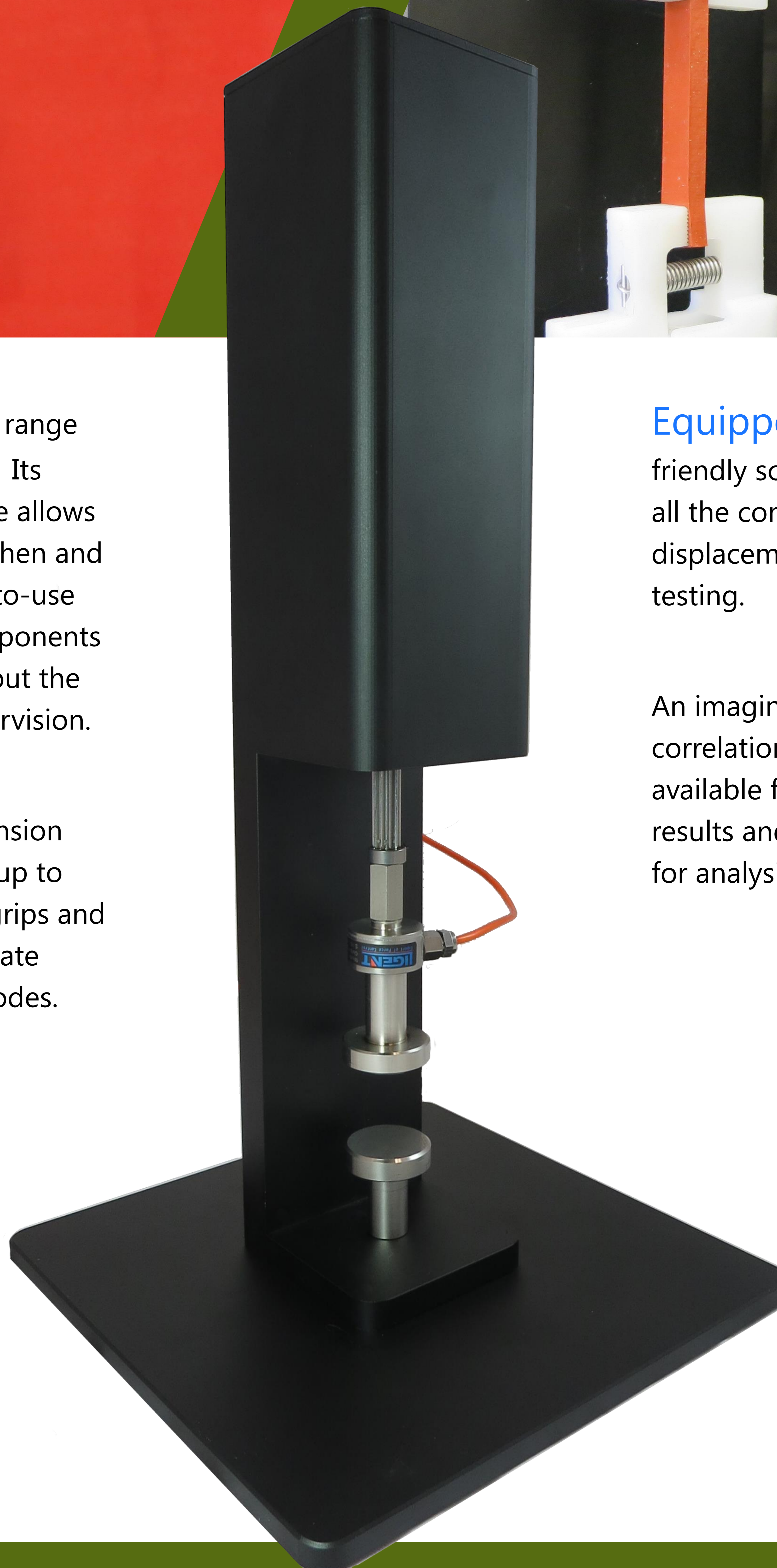


The UniVert is ideal for a wide range of mechanical testing applications. Its small footprint and affordable price allows users to have testing capabilities when and where they are needed. The easy-to-use software and interchangeable components make the system ideal to use without the need for extensive training or supervision.

This robust system is capable of tension and compression testing at forces up to 200N. A wide range of specimen grips and platens are available to accommodate different specimens and testing modes.

Equipped with CellScale's user-friendly software, the UniVert provides all the control features needed for displacement and force controlled testing.

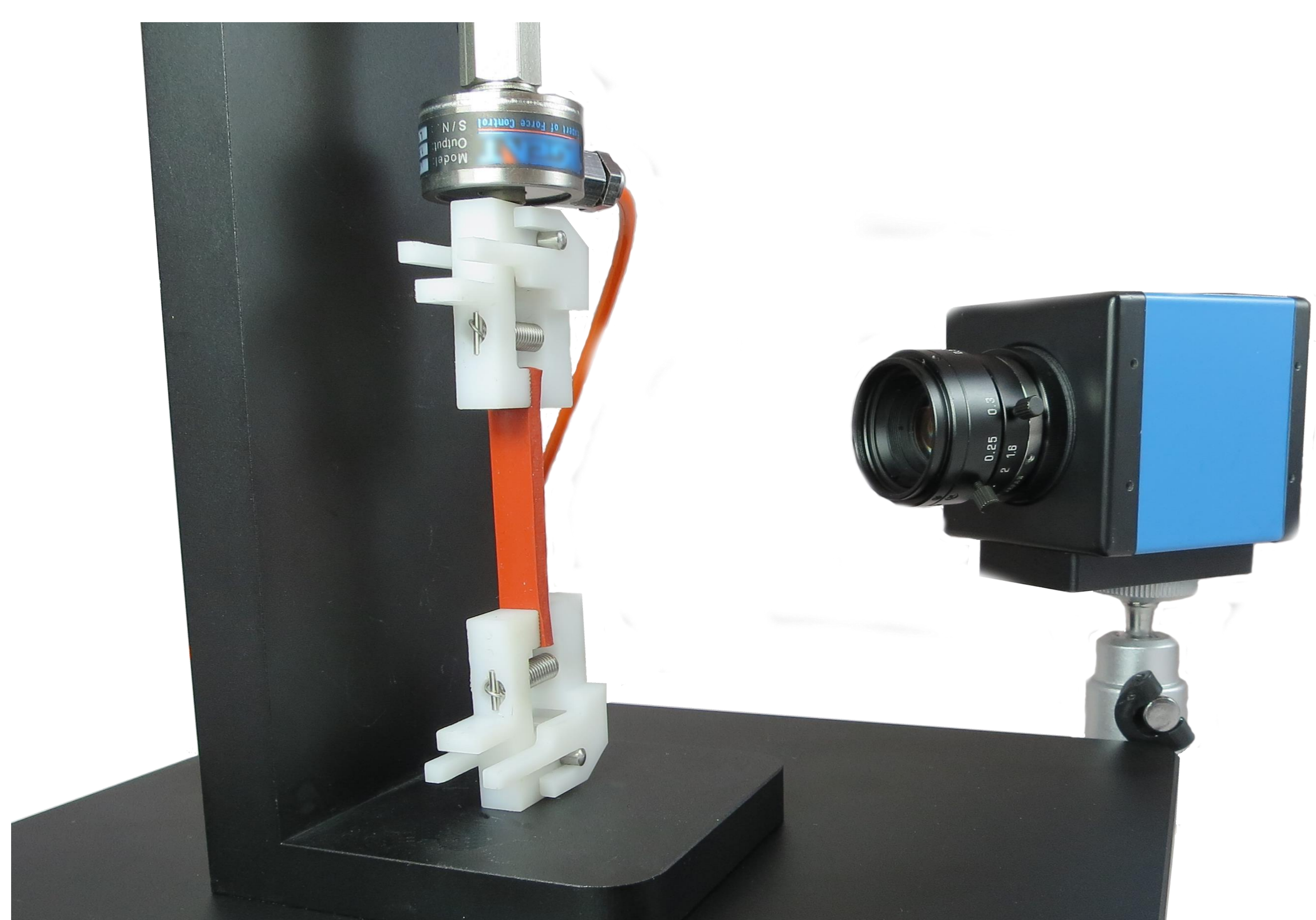
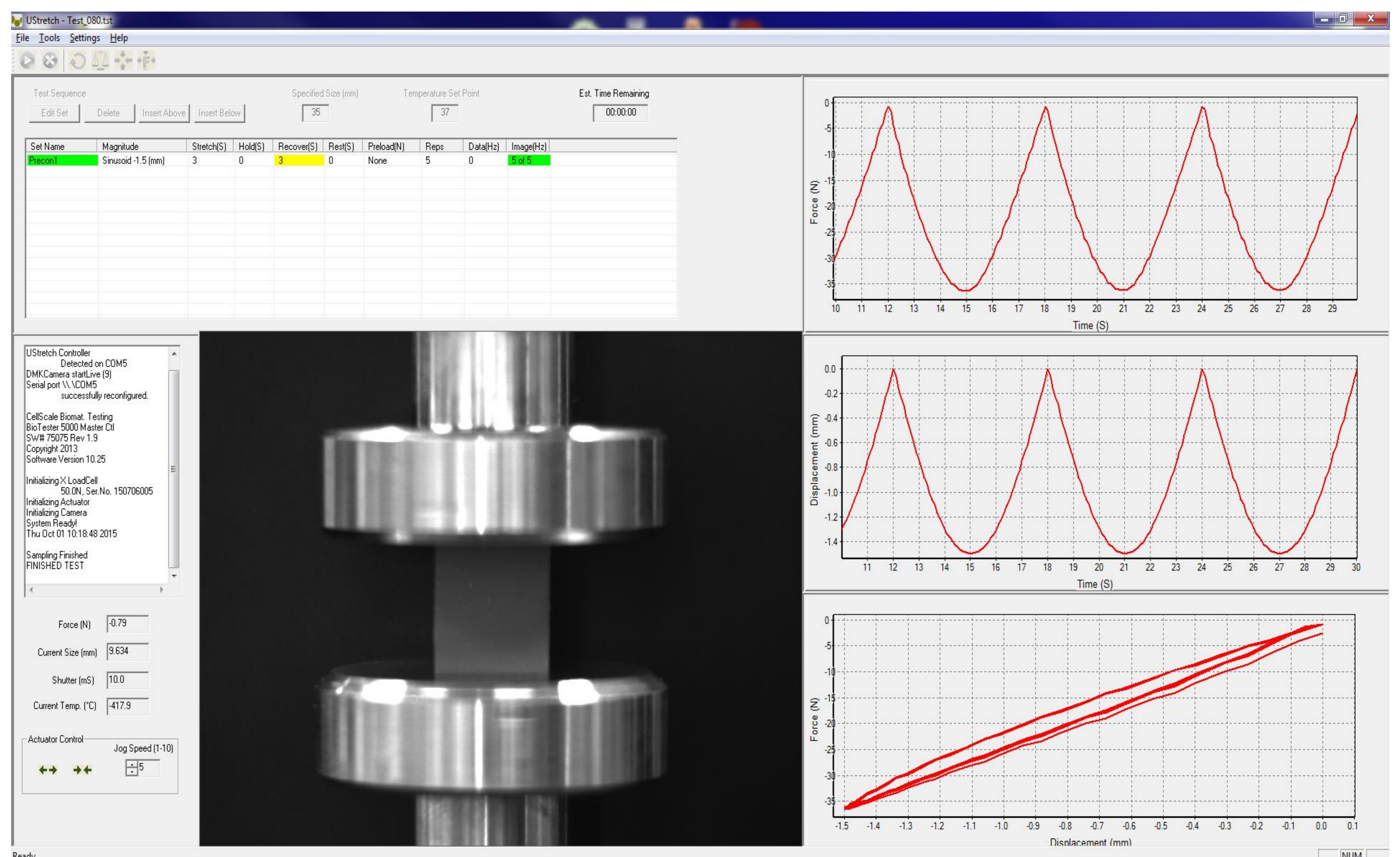
An imaging system and digital image correlation (DIC) software package is available for the UniVert to validate test results and collect images and videos for analysis and presentation.





The UniVert software enables users total control over the test protocol. Real-time graphing and test monitoring provides feedback during the test while the resulting force and displacement data are stored for further analysis.

When equipped with the optional imaging system, time-correlated images of the test are captured. The image analysis software package can then be used to measure specimen surface strains using a digital image correlation technique.



Test Modes	Tension / Compression / Bending
Force Capacity	200N
Load Cells	10, 20, 50, 100, 200N
Cycle Freq	Max 2Hz
Data Rate	Max 100Hz
Velocity	Max 10mm/s



CellScale Biomaterials Testing is an industry leader in providing researchers with precision biomaterial and mechanobiology test systems. Currently, our products being used at world class academic and commercial organizations across the globe.

Our [mechanical test systems](#) are specifically designed for analyzing and characterizing the material properties of natural and artificial biomaterials.

Our [mechanobiology technologies](#) help advance research by providing insights into the response of cells to mechanical stimulation – a key factor in the pursuit of the next revolution in medical treatments.

Explore our website or contact us to learn how our innovative products can help you achieve your research and development goals.