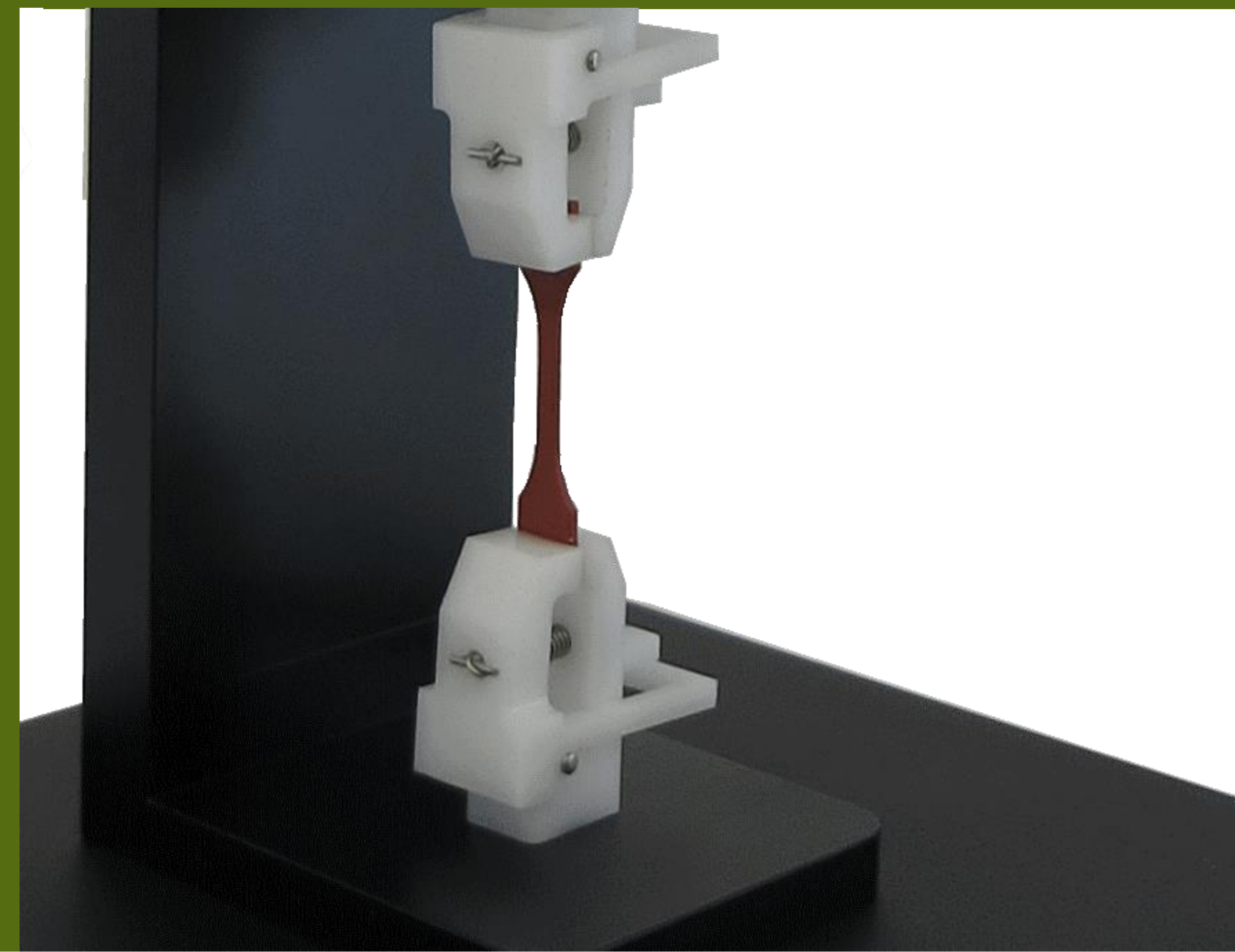
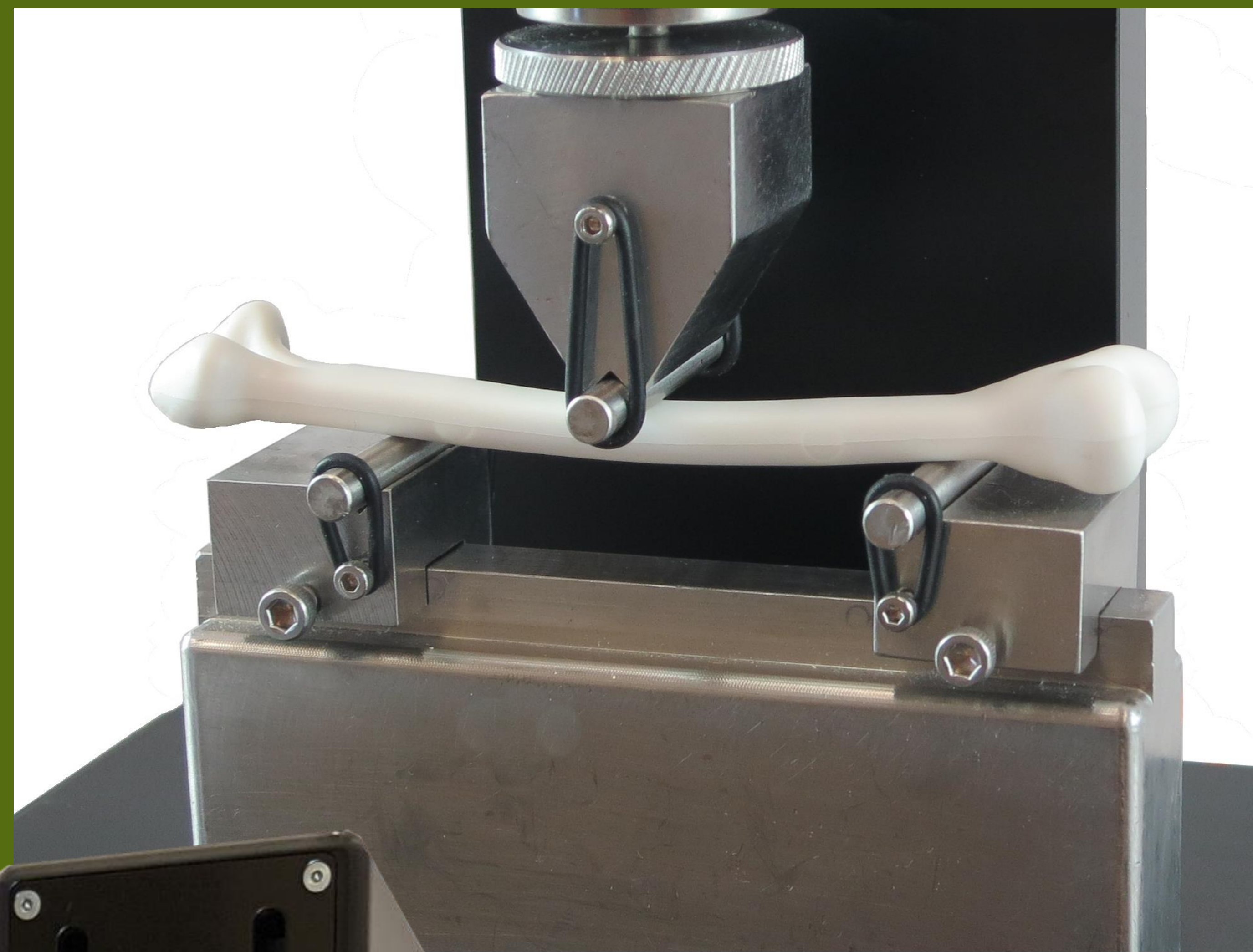
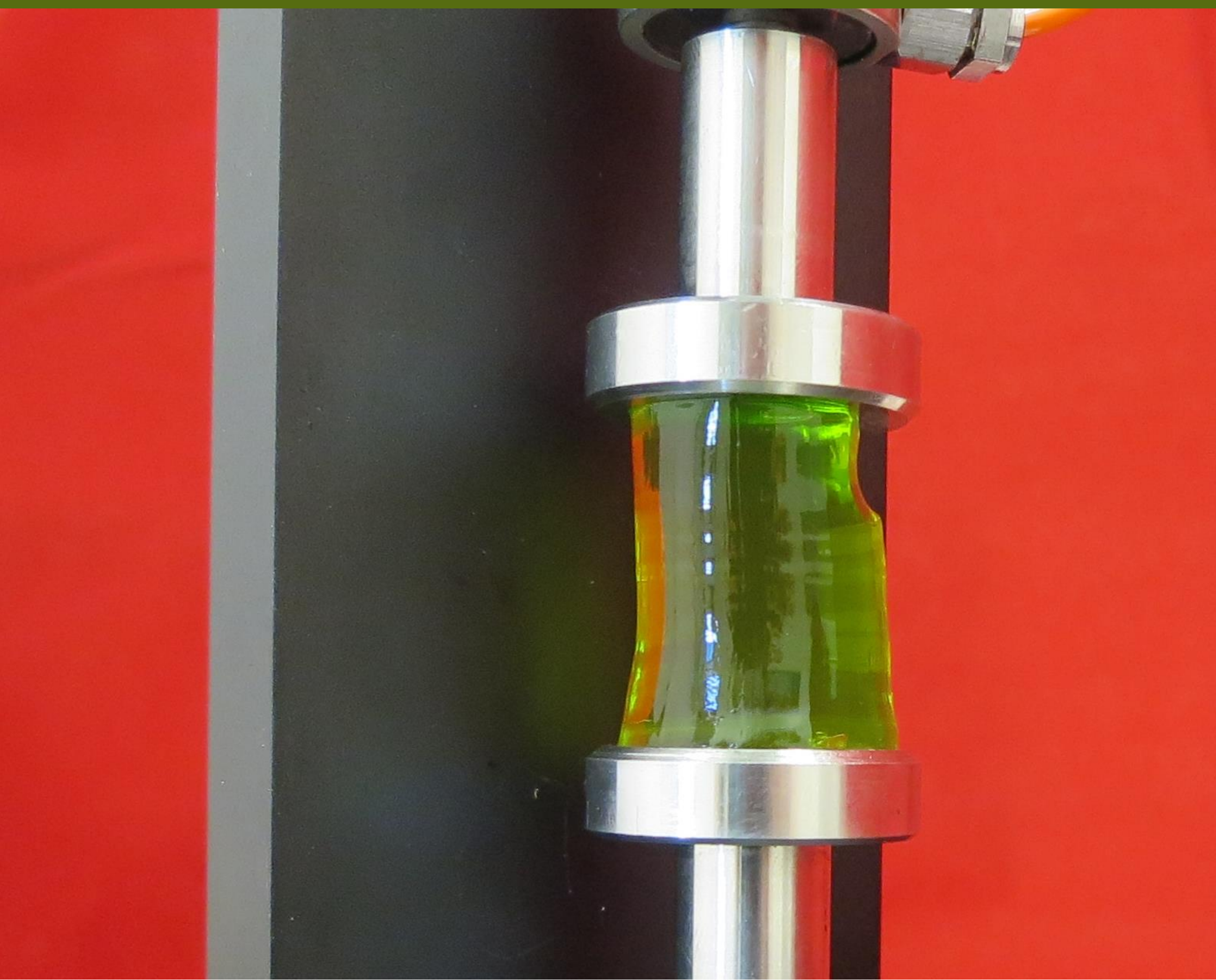


UniVert Classroom

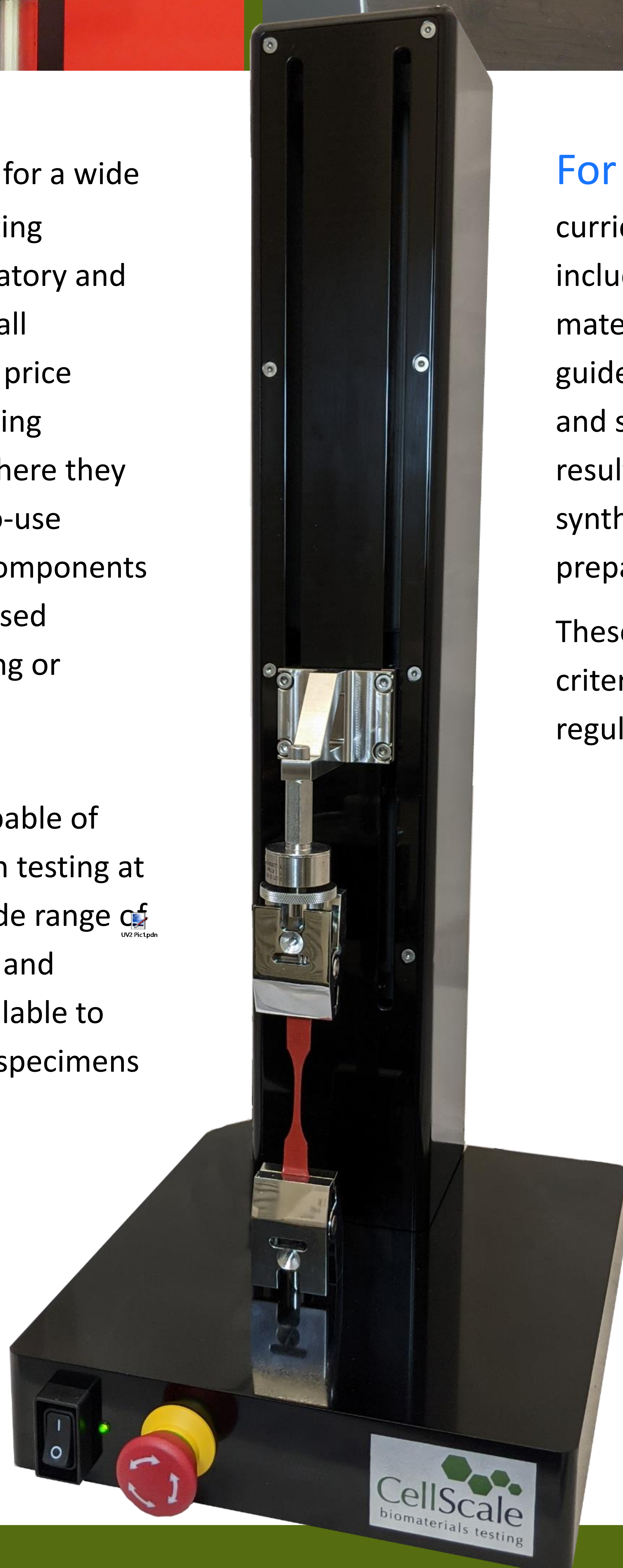


The UniVert is ideal for a wide range of mechanical testing applications in the laboratory and in the classroom. Its small footprint and affordable price allows users to have testing capabilities when and where they are needed. The easy-to-use software and modular components allow the system to be used without 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, platens, and bending fixtures are available to accommodate different specimens and testing modes.

For educational applications, CellScale has developed curriculum, specimens, and supplies for a variety of laboratories including tensile, compression, and 3-point bending testing. These materials contain instructions on how to use the equipment, instructor guides on how to setup the labs and accomplish the learning objectives, and student guides on how to perform the testing and understand the results and laboratory principles. The classroom kit also includes synthetic alternatives to biological tissues and all of the specimen preparation tools that are needed.

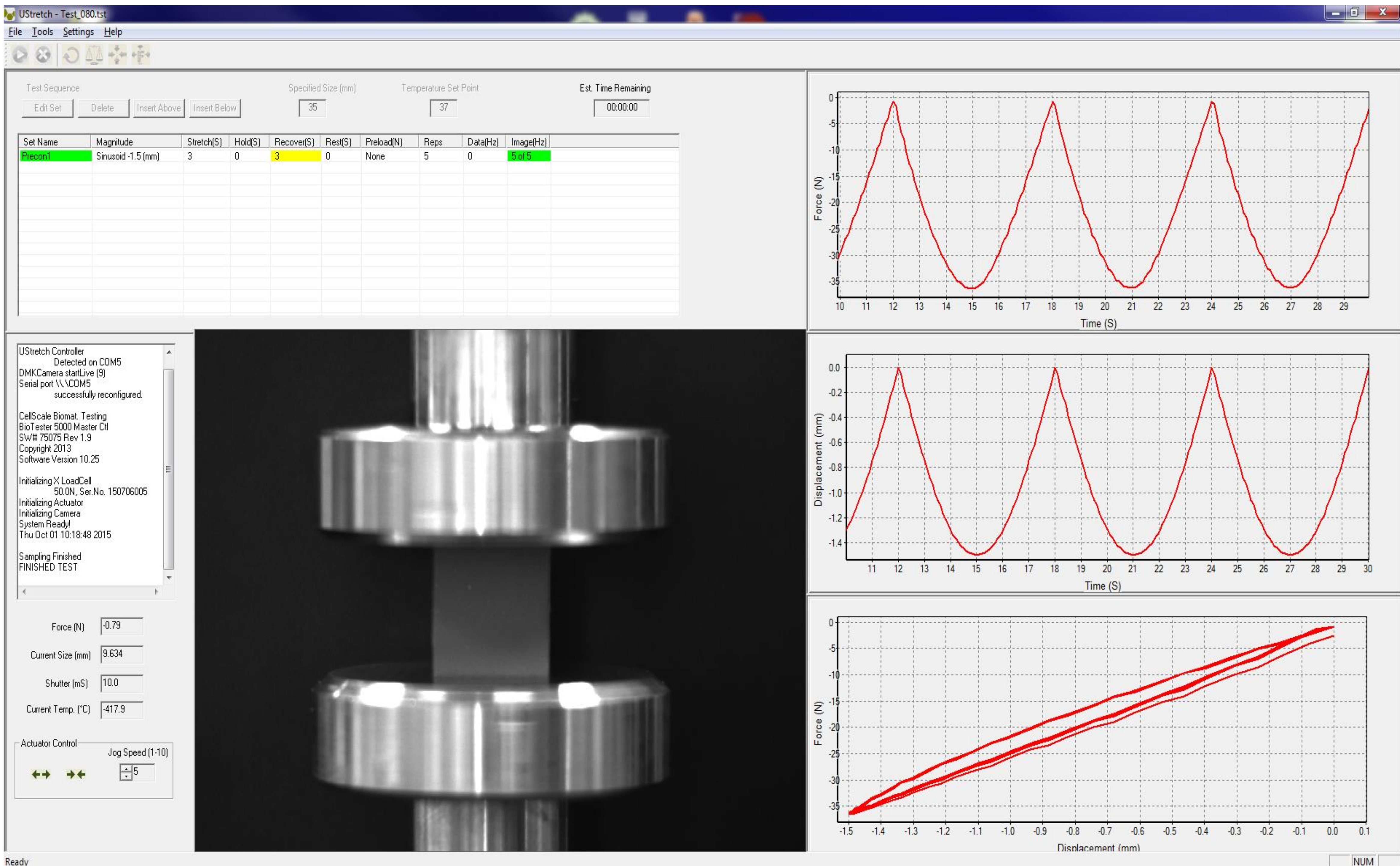
These labs have been designed to address the engineering accreditation criteria and outcome goals as specified by ABET, CEAB, and other regulatory organizations.





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 digital image correlation techniques.



Force Capacity	200N
Available Load Cells	10, 20, 50, 100, 200N
Force Accuracy	0.2% of load cell capacity
Maximum Grip Separation	300mm
Maximum Velocity	20mm/s
Maximum Cycle Frequency	2Hz
Maximum Data Rate	100Hz



CellScale Biomaterials Testing is the industry leader for precision biomaterial and mechanobiology test systems. Our products are being used at world-class academic and commercial organizations in over 30 countries around the globe.

Our mechanical test systems allow researchers to characterize the mechanical properties of biomaterials. Our mechanobiology technologies provide insights into the response of cells to mechanical stimulation.

CellScale’s technologies are improving human health by helping researchers discover the causes of disease, improve medical treatments and devices, and advance regenerative medicine and other basic science research.

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