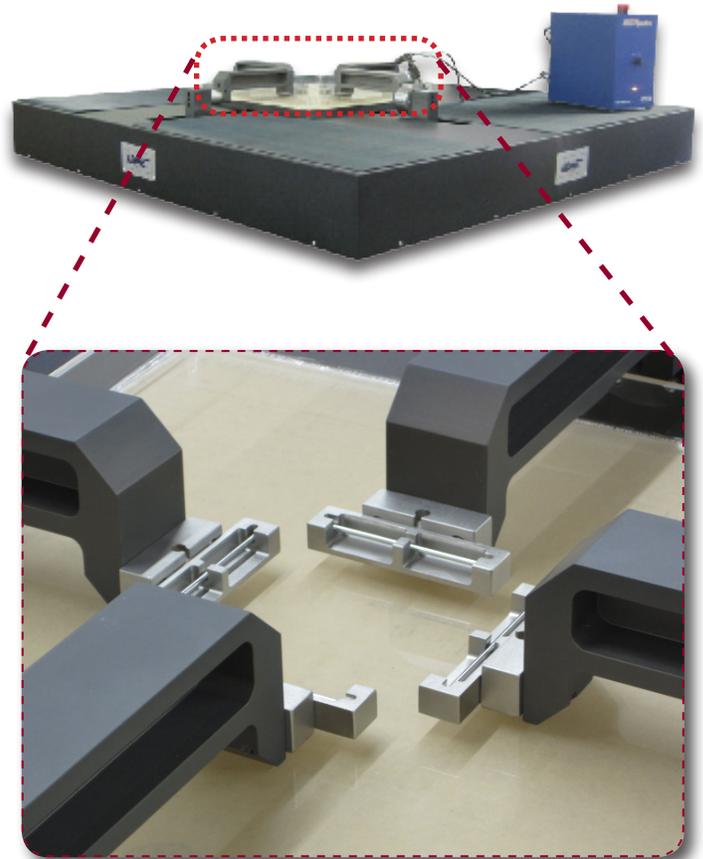
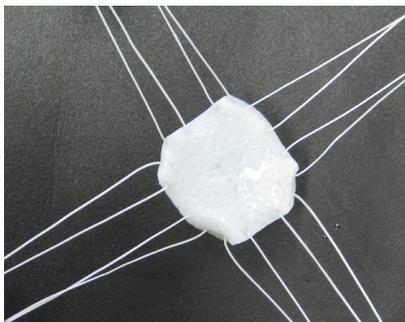


Planar Biaxial Testing Systems

ADMET Planar Biaxial Testing Systems are engineered for investigating the mechanical behavior of biological tissues, films and textiles subjected to orthogonal stress-strain fields. As a means of emulating real-world conditions, the two orthogonal actuators can be programmed to move independently or in a coordinated motion under force or deformation control. Both static and fatigue tests are performed via ADMET's MTESTQuattro® controller. Each axis features two crossheads that move in equal and opposite directions so that the sample center point remains stationary. Suture racks, clamps, or pin arrays are offered for holding specimens in a trampoline or cruciform like fashion. ADMET also provides specimen jigs to ensure consistent specimen setup. Specimens can be tested in air or an optional fluid bath with heating and cooling can be provided to produce the desired physiological environment. Various low force load cells and optical strain measurements provide accurate force-strain data.

- Offered in capacities up to 2 kN (500 lbf)
- Actuator strokes and speeds are tailored to specimen size and testing requirements
- Capable of performing static and cyclic fatigue tests
- Operates with ADMET's MTESTQuattro® controller. Each axis can be programmed for independent or coordinated motion. Thus, providing the capability of performing uniaxial tension/compression as well as planar biaxial tests
- MTESTQuattro® controller provides a camera trigger output for syncing test data with third party microscope/camera images



One of the most challenging aspects of planar biaxial testing is gripping your test samples. ADMET has experience with a variety of techniques including suture racks, clamps and pin arrays. Our engineers will work with you to provide the optimum gripping solution based on your sample material.

Sales and Service

Training and Service: ADMET testing systems are easy to learn and use. We provide free introductory on-line training in addition to on-site training. We provide free phone and email product support through the life of the system. ADMET's on-site service and calibration team includes over 100 individuals in over 40 locations in the USA.

Sales: For more information about biaxial testing systems and other ADMET products, please call 1-800-667-3220. Our sales engineers can also be contacted by email at sales@admet.com.