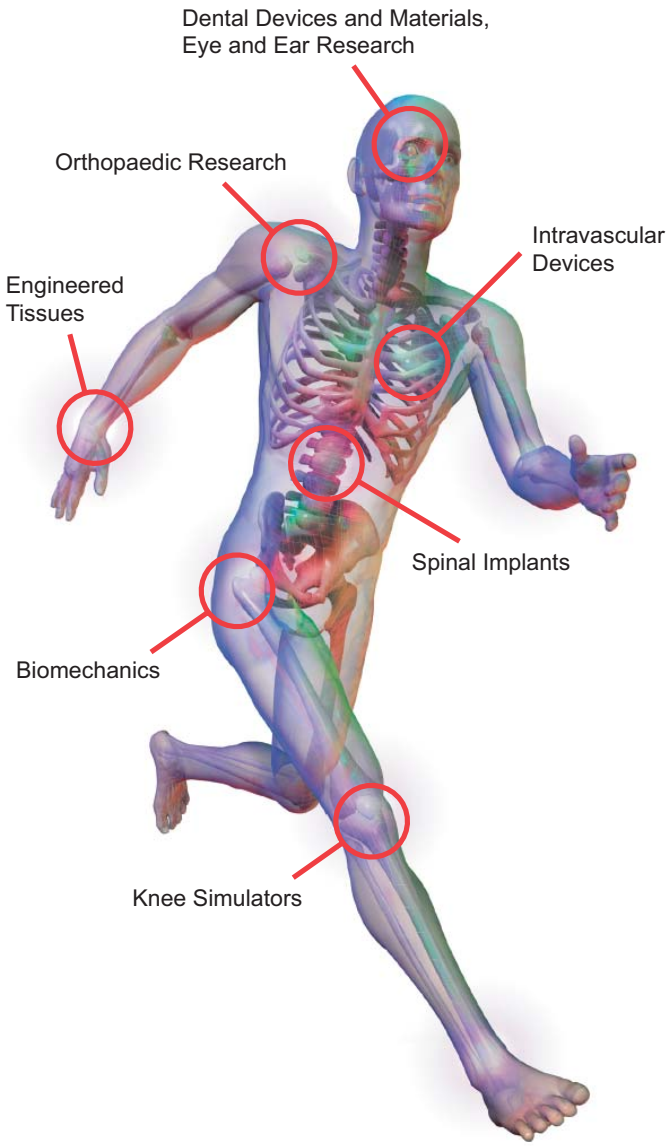
TESTRESOURCES

Best Value in Low Force Testing

www.testresources.com

100 Series Biomedical Test Systems

Compact, tabletop mechanical test instruments that meet the full spectrum of control and measurement needs for standard and dynamic tests of medical devices, biomaterials and biomechanics.



- **High Bandwidth control and measurement of stress, strain and time**
- **From 1000 pounds to sub-gram loads**
- **From 12 inches travel to sub-micron position and strain levels.**
- **Cyclic tests to 100 hz**
- **Single channel, multi-channel and multi-axis configurations**

- **Modular line of controllers, actuators, sensors and software**

TestResources Inc. | 680 Industrial Circle South | Shakopee MN 55379 | USA

Call 800.430.6536

Fax: 952.233.3682

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100 Series Biomedical Test Systems

The 100 Series test system family combines modularity with performance to deliver quality data at great value. Our systems are matched to specific needs for medical startup firms, testing labs and research organizations where flexibility and value are key parameters.

100Q – Features a standalone digital controller for standard tests, high resolution load and position accuracy, modular load frame, full line of grips and accessories and a price well below $10,000.

Applications Include: Material strength and material testing properties, standard constant rate and constant load tests such as tensile, compressive, seal strength, tear, flex, bend, elongation, and adhesion. This upgradeable system is ideal for testing medical components and devices such as plastic molded parts, wire, textile, tubing, catheters, sutures, and even animal bones.

100R – Powerful and flexible PC-based servocontroller with load, strain or position control. The 100R collects, stores, exports and plots test data, performs standard analyses, creates complex test procedures, stores them for reuse, and generates reports.

Applications Include: Orthopedic research on artificial tissues, muscles, ligaments, bones, materials characterization tests of biomaterials, tests involving extensometers, teaching and education.

100L – NEW Dyna-MYTE™ Test Systems feature versatile high performance dynamic actuators and sensors that enable a wide bandwidth of control and measurement of stress, strain, and time for virtually any low force materials or product test. These systems can be configured in multichannel or multiaxis modes.

Applications include: Tissue mechanics research, Micro-indentation of cartilage and soft tissue, Mechanical stimulation of tissue-engineered constructs, Single fiber tests, Dynamic Properties Characterization, Durability & Fatigue testing of medical devices including long term fatigue of metal and wires.

Common Attributes	100Q Properties Tester	100R PC Controlled Tester	100L DynaMyte™ - NEW
Table-Top Form Factor Tension and Compression Vertical or Horizontal Single or Dual Column Frames Multiple actuators and sensors	Electromechanical Standalone Digital Servocontroller Plot curves - Export data Constant speed and load Upgradeable	Electromechanical PC Controlled – Serial Port Plot curves in real time - Test analyses - Export data User Programmable	Dynamic Low Force System PC Controlled – USB Plot curves in real time - Test analyses (optional) - Export data User Programmable
Load Cells - From 1000 lb. to 50g full scale - many available Extensometers – standard, miniature and submersible Position - encoders and LVDT's	Actuators • 150 pounds to 25 ipm • 300 pounds to 7 ipm • 1000 pounds to 2.2 ipm Power Stroke 6 or12 inches	Actuators • 150 pounds to 25 ipm • 300 pounds to 7 ipm • 1000 pounds to 2.2 ipm Power Stroke 6 or12 inches	Dynamic Actuators • 10 pounds • 30 pounds • 70 pounds • 125 pounds • 650 pounds (Model 800L) Power Stroke 0.5 to 12 inches

Ask for a demo today!

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