

Los Angeles Materials Test Machine

TestResources, Inc. is led by experienced engineers who love to solve challenges ranging from highly technical down to the basics.

From 510K medical device validation tests to peel testing labels, our engineers have performed thousands of tests for thousands of applications.

Adhesive Testing





An adhesive is any substance that creates a bond between either the surface of a material and the adhesive itself or between the surfaces of two different materials. The purpose of this bond is to resist any forces that try to separate the objects that have been bonded together. Common forms that adhesives may take are glue, paste, laminates, cement, mortar, or the adhesive backing of tapes and seals.

Adhesives are an attractive option for binding because they offer the ability to easily bind different materials together, are generally inexpensive, and efficiently distribute stress over a large area.

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Construction Materials





The construction industry needs to perform mechanical tests to confirm that material properties are reliable and safe and within design limits.

Construction materials and structures include minerals, plastics, wood, metals, and composites, used for roads, bridges, civil engineering structures, and buildings. They are used in a variety of forms, including powder, masses, bulk goods, foils, plates, and stones. Strength and deformation tests play a prominent role, with relatively high loads and test load distribution being important. Binders such as cement and mortar are important. Other key materials include concrete, refractory materials, sandstones, and heat insulating materials. Ceramics include glazes, porcelain, tiles, tubes and pipes, bricks and roof tiles.

Universities & Laboratories





TestResources offers several test systems packaged to meet the special needs of teaching laboratories.

Mechanical Engineering typically is interested in tensile, flexural and compression tests on soft metals and plastics.

Biomedical Engineering curriculums focus on the same materials properties plus stress relaxation at small load levels.

Flexible Foam Testing



From automotive cushioning materials that take you to work to the pillows and mattresses you lay on, flexible polyurethane (FPU) foam is a part of our daily lives. The incredible diversity of FPU foam products are made possible by the ability of foam materials to be engineered to serve a wide range of performance requirements. The unique combination of load bearing and firmness makes FPU the perfect choice for a dazzling array of products but that same benefit makes it a challenge for a test engineer to confirm performance in specific application.

TestResources understands soft flexible foam testing applications. With that experience in hand, we developed a specialized foam tester product line using our 'Smart Design' process.

Fatigue Test Machines



We offer two different technologies of fatigue test machines: electrodynamic and servohydraulic powered.

Each fatigue testing machine configuration includes a closed loop servocontroller, test software, fatigue rated test frame with actuator, power source, fatigue test grips or fixtures, and load, position and strain sensors.

Our fatigue testers are also known as fatigue test systems.

For more information please visit

http://www.testresources.net

