

ElectroForce® Testing News

Testing Instruments for Materials Research and Medical Device Development

BOSE

Special December Biomaterials & Tissues Conferences Edition - November 30th, 2007

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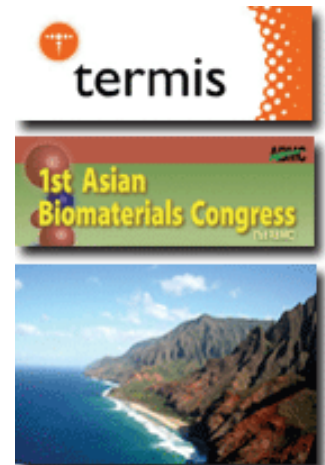
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Bose Exhibiting at 3 International Biomaterials Conferences in December

Events

Bose will be exhibiting at the Tissue Engineering International & Regenerative Medicine Society's ([TERMIS](#)) [Asia-Pacific Chapter Meeting](#) in Tokyo December 3-5th. We will also be exhibiting at the [1st Asian Biomaterials Congress](#) in Tsukuba Japan, December 6-8th. Stop by our booth at either conference and see our BioDynamic™ test instrument for tissue engineering and biomaterials research.

From December 9-13th we will be exhibiting at the [Second International Conference on Mechanics of Biomaterials & Tissues](#) to be held on the island of Kauai, Hawaii. Please visit our exhibit to discuss your testing applications and register to win a pair of Bose in-ear headphones in one of our two booth drawings at the Hawaii conference.



Pre-packaged Biomaterials Test Instrument

New Products and Applications

For biomaterials research laboratories, Bose has configured a special testing package that combines several capabilities into one instrument. The popular ElectroForce® 3200 test instrument has been configured with a heated bath, a complement of specimen grips and fixtures, and Dynamic Mechanical Analysis software. It's an attractively-priced package for a variety of biomaterials testing applications.

To learn more, download the [ElectroForce 3200 Biomaterials Research Configuration](#) product bulletin (755 KB).

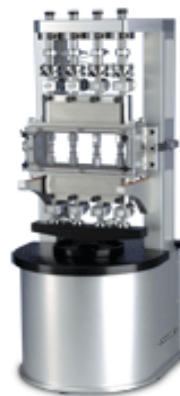


Triaxial BioDynamic™ Instrument for Orthopaedic Tissue Engineering

New Products and Applications

Bose has developed a multiaxial BioDynamic™ instrument for orthopaedic disc specimens such as spinal discs, cartilage, meniscus and bone. Four specimens are placed in a single chamber and exposed to axial compression, circumferential cyclic hydrostatic pressure, and pulsatile flow through porous platens. Advanced control capabilities allow the programming of loading regimens while specimen properties are continuously measured.

Download the [ElectroForce® 5900 BioDynamic™ Test Instrument](#) new product bulletin (376 KB).

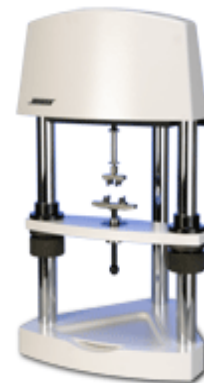


Determining the Mechanical Properties of Small Bone Specimens

Test Applications

Researchers at Rensselaer Polytechnic Institute studied the effects of multicyclic loading on human cortical bone. The ElectroForce 3200 test instrument was equipped with a custom 4-point bend fixture to assess the viscoelastic and viscoplastic properties of bone on a micro-scale level.

For more information, download the technical brief titled [Micromechanical Multicyclic Creep Tests of Human Cortical Bone](#) (941 KB) with more details on this challenging test application.



Beyond Audio - The ElectroForce® Systems Group of Bose

Bose built its reputation creating high-performing audio products. Now, we are growing our business beyond these boundaries, leveraging our intellectual assets in much broader ways. The ElectroForce Systems Group is a Bose business providing advanced test instruments to research and product development organizations worldwide. We invite you to explore our growing list of products for cardiovascular and orthopaedic device development, tissue engineering and biomaterials research, and engineered materials product development.



To download the ElectroForce Systems Group profile (298 KB), [click here](#).

Bose Corporation -- ElectroForce Systems Group

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The Bose logo, featuring the word "BOSE" in a bold, italicized, sans-serif font with a horizontal line through the middle of the letters.

The **ElectroForce® Testing News** newsletter provides periodic product and technical information to those who have shown an interest in materials testing and biomedical research or have been referred to us. If you wish to be removed from our mailing list, please [click here](#).