



APS Dynamics

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APS DYNAMICS, INC. based in Carlsbad, California specializes in designing, manufacturing and marketing vibration systems for modal test excitation, low frequency calibration and component test. Products include ELECTRO-SEIS Long Stroke Shakers for modal excitation of structures and low frequency calibration of accelerometers and DUAL-MODE Voltage/Current Mode Power Amplifiers for driving shakers. The Company began operations in Anaheim, California in 1971 and moved to its present location in 1981.

APS DYNAMICS markets its equipment world-wide through independent Sales Representatives and Agents. Our extensive customer base in the United States includes major U.S. Government contractors, the Defense Department, NASA and other Government Agencies, universities and research organizations, numerous manufacturers and engineering firms. Internationally, the Company base includes manufacturers, universities and research firms in countries around the world.

SPEKTRA, the foremost designer and manufacturer of vibration and acoustic calibration systems, acquired APS Dynamics in 2008. SPEKTRA continues the long-established tradition of producing high-quality, high-performance shakers that has made APS Dynamics the leader in the industry for more than 35 years.

Product Applications

APS DYNAMICS products are used primarily for modal test excitation and vibration sensor calibration. Modal test excitation applications feature the long stroke capability of the ELECTRO-SEIS Shaker Series. Two basic sizes are offered: the Model 113 Series and the higher force Model 400. In addition, the Portable Shaker-Amplifier Model 300-M is offered for low force applications.

For sensor calibration applications, the APS DYNAMICS Long Stroke Shakers feature Air Bearing armature guidance for exceptionally clean waveforms with wide dynamic range and very low cross-axis motion. Two basic models are offered: the Model 129 for heavy test loads and the Model 500 for higher frequency, higher g-levels. For low displacement, higher frequency applications, the Model 300-C Portable Shaker-Amplifier is offered.

System Products & Accessories

A power range of DUAL-MODE Amplifiers featuring voltage or current mode operation are available, designed specifically to enhance the performance of the shakers. A variety of shaker accessories are offered to provide test application flexibility. These include Auxiliary Tables and Reaction Mass Assemblies.