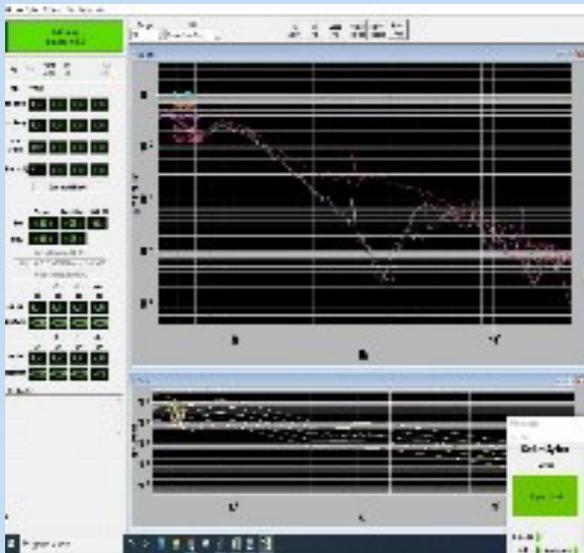


You have done the hard work of certifying your Rechargeable Energy Storage System (RESS) or Battery Pack to all of the International and National test standards (UN 38.3, ISO 12405, GB/T31467, ECE R100, SAE J2380, FMVSS, KMVSS, JIS, etc.). After the design validation requirements above, you have to move to serial production quality control verification audits and testing.

MB Dynamics can help you achieve success with our RESS Vibration Test System. This system incorporates our proven electrodynamic exciters, amplifiers, and controls to directly excite the Battery Pack. The test system records user specific battery health data (ie. Hi-Pot) while applying user generated vibration profiles or road loads to the RESS. This test system can be installed in the RESS end of line (EOL) testing area or in the RESS analysis/R&D center, it requires very little infrastructure, and you can be testing your batteries at the SPC level you require to ensure continued high quality.



EV Battery Test System GUI Screen Grab

Please Contact MB Dynamics with your Testing Request and MB Dynamics will offer a Test Solution with a Proven Result.

Sales@MBDynamics.com



Battery Pack Vibration Test System

The RESS and Battery Management System expected lifetime is affected greatly by the environment in which they are used and by the dynamic loads directed into them. Adding dynamic vibration testing to your charge/discharge and drive profile cycling will enhance your quality program.

The MB Dynamics test system components have been proven in hundreds of world wide installations over the last 80 years. These are the same systems you trust to test your steering, seats, instrument panels, and suspension components currently. We build a test station to accommodate your Battery Pack and provide all of the hardware and software to test and record the test data. You decide what level of automation you require. Do you want to place the system in an offline environmental chamber to perform current state product verification testing or do you want to perform fully automated end of line quality control testing.

Each system is designed to meet your needs. At MB Dynamics we manufacture many different types and sizes of vibration exciters, to ensure that we right size the test apparatus to the device under test. The capability MB Dynamics can add to your quality control program comes at a much lower cost than traditional high force shakers. This ensures a cost-effective test program.