

Press Release

Date: April 2012
Enclosure: pic.
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Polytec Test Lab Adds New Modal Test Robots

Polytec's test laboratory in Waldbronn, Germany was recently equipped with a new, even more powerful RoboVib® modal test robot. The new RoboVib® Structural Test Station allows the implementation of complete 3-D modal testing of large structures, such as complete vehicles, with extremely short overall test times. Compared to a traditional modal test with acceleration sensors, time savings of up to 90% are realized together with a much higher measurement point density. Freedom from the influence of the measurement method itself and seamless compatibility with computer-aided engineering means that optical 3-D vibration testing can be performed precisely at the nodes of a previously imported FE grid.

The new system provides an ideal opportunity for comparing modal test measurements with FE-simulation models.

As part of its service package, when a modal test is commissioned, Polytec offers

- design of the test set-up,
- execution of the measurements, and
- mode extraction from the obtained measurement data.

This system can of course be used equally well for operational deflection shape analysis.

Just contact us; we will answer your measurement questions! www.polytec.com/service

More info: www.robovib.us

Publication free of charge

For questions please contact
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