

Hammer Impact Test System (HITS)

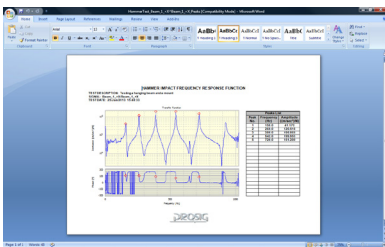
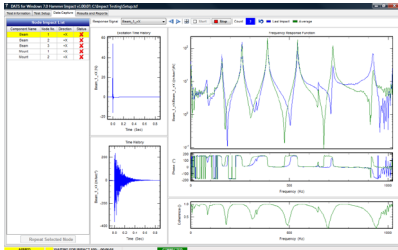
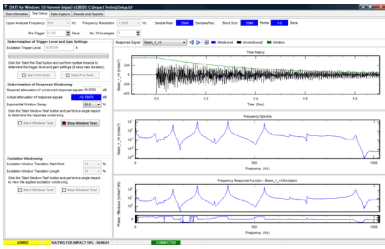
It's never been so easy or cost effective to perform modal analysis



Prosig's solution is not only the most simple to use and understand, but it's 100% reliable giving perfect results every time.

The complex mathematics of windowing, transfer function type, frequency range is all taken care of. What's more, the automated peaking picking algorithm will find the modes automatically for you.

Need to export test results to Word or Excel for FEA validation? No problem. It's all included.



Impact testing, also known as bump testing, tap testing, or hammer resonance testing, involves the use of an instrumented force hammer to excite a structure in order to measure the response with an accelerometer.

What are the advantages of Prosig's Hammer Test System?

- **Straightforward to use**
- **Fast**
- **Reliable**
- **Accurate**
- **Comes with access to Prosig's market leading front line support team**

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Everything you need to start performing modal hammer tests:

- **Data acquisition system (data logger)**
- **Complete software suite**
- **Instrumented hammer**
- **Accelerometers**

Already got a hammer and accelerometers? No problem. The logger & software bundle is available on its own.

Hammer Impact Test System

Hardware

Prosig Data Acquisition System

- **24-bit**
- **4 analogue input channels**
- **Up to 100k samples/sec per channel**
- **Dynamic range: 100dB**
- **Noise floor: -130dB**

Software

Prosig DATS Hammer Software

- **Frequency Response Functions**
- **Double Impact Detection**
- **Accept/Reject by User**
- **Automatic Averaging**
- **Report Generation**
- **Word/Excel Export**

Options

Sensors Option 1

- **Instrumented Hammer**
- **Single-axis accelerometer**

Sensors Option 2

- **Instrumented Hammer**
- **Tri-axis accelerometer**

Contact Prosig

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