

NVH Measurement & Analysis

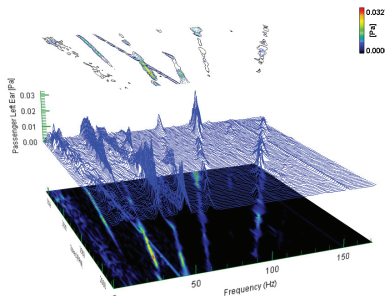
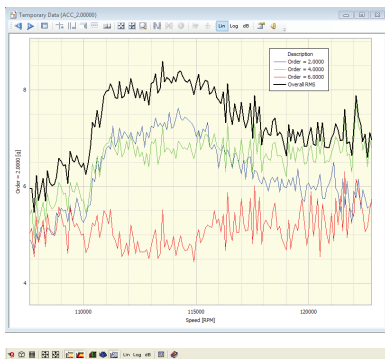
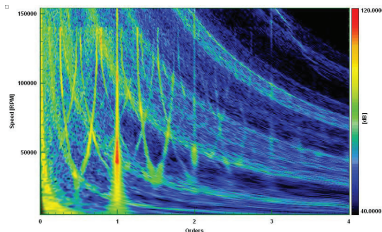
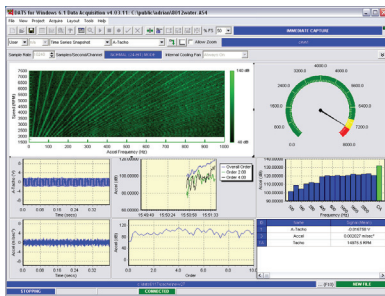
Everything an engineer needs for successful NVH analysis



NVH analysis (Noise, Vibration & Harshness) is central to creating a successful product. It's not just making less noise, but also making the "right" noise, that is important.

Using the depth and power of the DATS NVH Analysis Software, it is possible to measure and refine products from automobiles & aircraft to white goods and other household appliances.

The DATS NVH Analysis Software contains everything an engineer needs for successful NVH analysis.



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DATS NVH now includes RapidResults NVH. This innovative new software ensures that the results of your NVH tests are available immediately. Perform your test, view your results, print your report. It's as simple as that.

Extensive tacho analysis is used to analyze angular speed. Waterfall and order analysis picks out those parts of the spectrum that are harmonically related. Waterfall averaging enables the engineer to get a more consistent view of the problem. 1/nth Octave Analysis is used extensively as a first level method of reducing the data into standardized bands, which reflect the human response to noise. There are also a large number of Sound Quality metrics, that can be used to quantify noises in ways that reflect more accurately the psychoacoustic response of the drivers and passengers.

The DATS NVH Analysis Software contains everything an engineer needs for successful NVH analysis.



Find out more about the NVH Analysis at
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NVH Analysis Features

- Waterfall analysis
- Tacho/speed signal processing
- Order extraction
- Frequency to order conversion
- A, B, C & D weighting factors
- Spectrum averaging
- Waterfall averaging
- 1/nth Octave bands
- Articulation Index (AI)
- Loudness
- Composite Rating Performance
- High Frequency Factor
- Preferred Speech Interference Level
- Spectral Balance

Contact Prosig

Prosig Ltd (UK)

Email: sales@prosig.com

Phone: +44 (0)1329 239925

Prosig USA Inc

Email: prosigusa@prosig.com

Phone: +1 248 443 2470