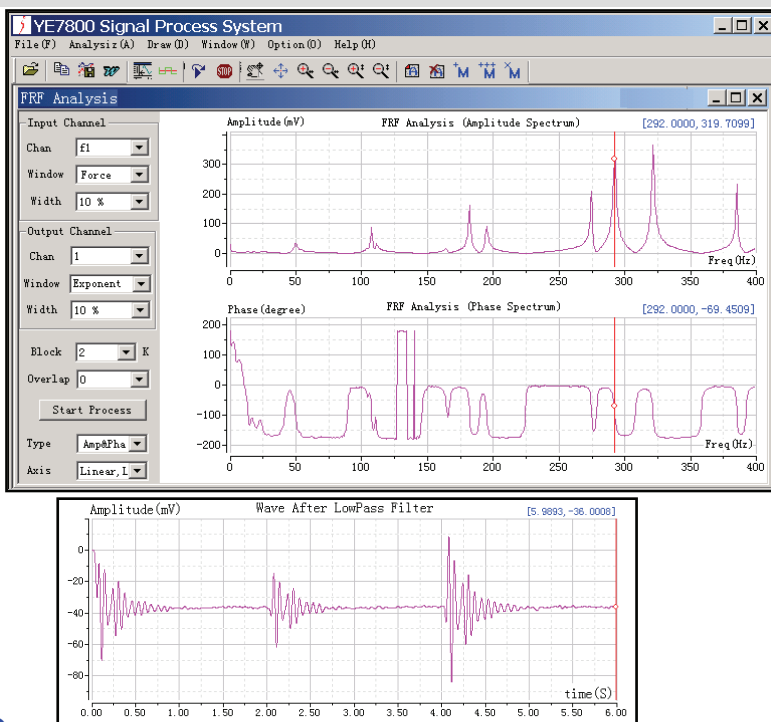


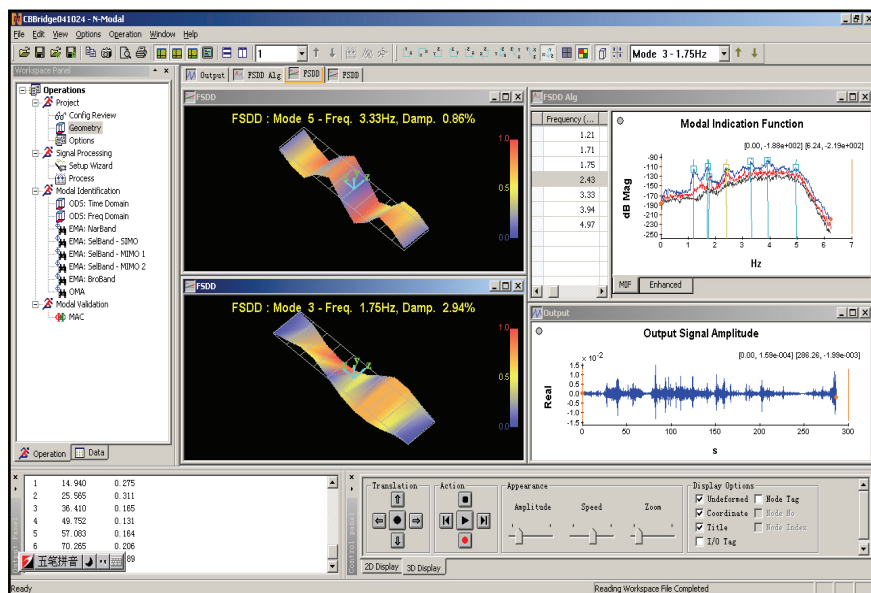
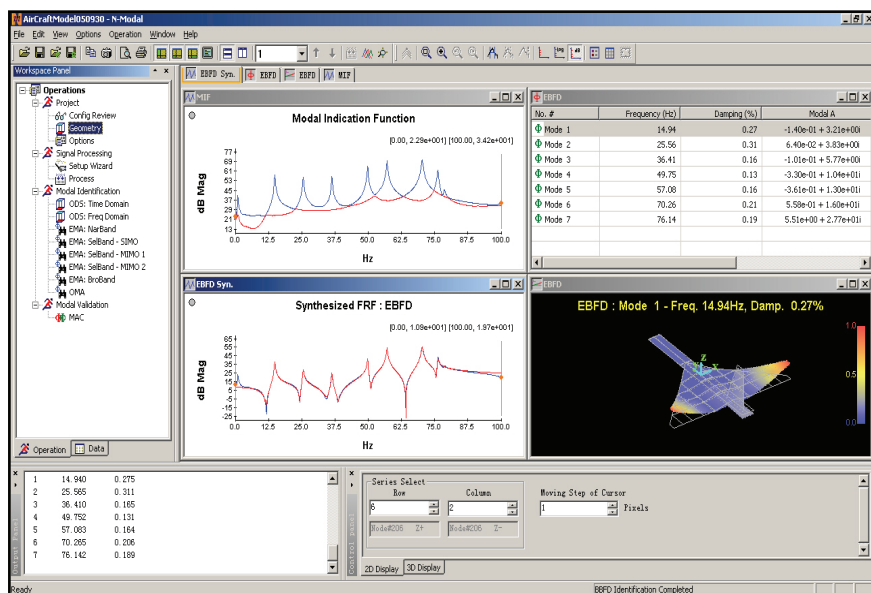
Test, Analysis and N-Modal Software - Data Sheet

Data Processing & Signal Analysis Software

- Data pretreatment and format conversion.
- General frequency domain analysis: auto power spectrum, transfer function (FRF), correlation, synchronous average, histogram, realtime zoom, data recording and playback analysis, data export, report generation, waterfall plots, demodulation, etc.
- Acoustic analysis: octave-based analysis, sound power, sound quality, acoustic intensity, etc.
- Signal generators: sine, swept-sine, random, pseudo-random, white noise, pink noise, etc.



N-Modal Test & Analysis Software



N-Modal ODS

Operational Deflection Shape (ODS) analysis

N-Modal EMA

Experimental Modal Analysis (EMA)

N-Modal OMA

Operational Modal Analysis (OMA)

Modal Identification

- Experimental Modal Analysis (EMA) narrow band identification to identify modes one by one, and also to identify modes in selected frequency bands; one Single Input Multiple Output (SIMO) and two Multiple Input Multiple Output (MIMO) algorithms are included
- Simple and reliable Operational Modal Analysis (OMA) identification to distinguish between close modes
- MIMO identification to deal with closely-spaced or repeated modes for complex engineering structures
- Modal Indication Function (MIF) to indicate structural modes
- The total number of modes is limited only by computer performance
- Powerful modules for time domain and frequency domain analysis, including Operational Deflected Shape (ODS) estimation and visualisation
- A powerful module for Modal Assurance Criterion (MAC) estimation and visualisation (with both 3D bar graph and value table outputs)