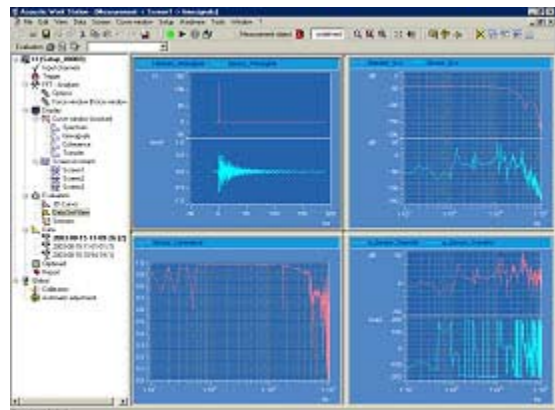


## WAVE – The Acoustic Work Station

Designed for noise and vibration testing, imc WAVE when used in conjunction with CRONOS-PL hardware provides a reliable, easy to configure and operate standards based testing system. Hardware setup and software configuration can be further simplified by using TEDS sensor recognition combined with ISO standard tests. The system can be expanded with analogue and field bus channels (e.g. CANbus), enabling the number of applications to be extended far beyond that of conventional noise and vibration analysers.

### imc AWS unifies 8 different analysers:

- FFT Analyser
- Order Analyser
- Sound Power Analyser
- Third / Octave Analyser
- Work Station SPL
- Pass-By Analyser
- Sound Source Location
- Personal Analyser



## SPECIFICATIONS

### FFT Analyser

- Spectrum
- Power Spectrum (auto, cross)
- Correlation (auto, cross)
- Coherence
- Transfer Function
- Direct throughput (hard-disk recording)
- Structure Analysis
- ME'Scope Interconnection
- Windowing, Averaging
- 4 Ch. 50kHz Bandwidth
- 8 Ch. 20kHz Bandwidth



### Order Analyser

- Multi-channel Order Analyser and Torsional Vibration Analyser
- Order spectra, RPM spectra, Transfer function
- Direct throughput (also hard-disk recording for angle and RPM signal)

### Sound Power Analyser

- Measurement according to different international standards
- Simultaneous work place SPL (ISO 11201) measurement
- Automatic microphone position calculation
- Complete display of Third / Octave, Narrow-band Sound Level
- Automatic calculation of Sound Power, Sound Pressure Surface Level
- Background noise measurement
- Documentation of all results
- Room correction
- Measurements according to ISO 3741, 3743, 3744, 3745, 3746 and 11094 are supported

