

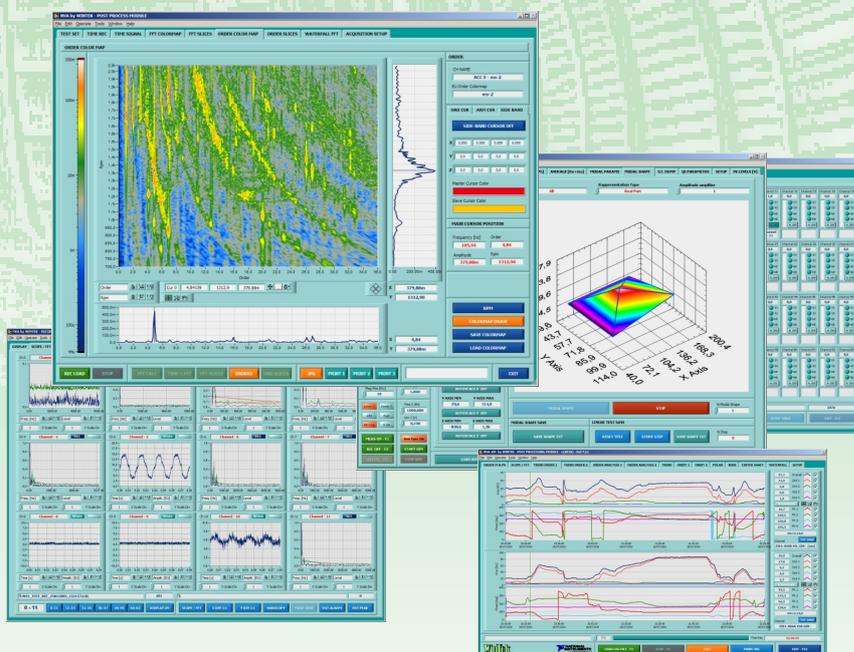
WinTek



Signal Processing Solutions



Noise & Vibration Analysis
Machine Condition Monitoring
WinTek & National Instruments:
Solutions since 20 years



WINTEK, a company founded in 1992 and National Instruments Certified Partner since 1994, designs, develops and provides Test and Measurement Systems for Digital Signal Processing with specific and particular expertise in the fields of Acoustics and Vibration Analysis.



company profile

Wintek, company founded in 1992 and National Instruments Certified Partner since 1994, designs, develops and provides Test and Measurement Systems for signal processing needs.

Wintek works primarily for Research and Development, Production Control and Plant Maintenance. Wintek designs and produces instruments for laboratories and systems dedicated to quality control and plant monitoring.

In particular, Wintek has developed over the years, specific expertise in the design of measurement systems for sound and vibration, thanks to the extensive use of advanced techniques of "signal processing".

Thanks to twenty years of experience and collaboration with National Instruments, Wintek is able to provide such systems for a wide range of needs for the most important markets: from automotive to aerospace, from mechanics to telecommunications.

Wintek also provides training services on specific topics of their expertise and feasibility studies for the technical assessment of the "proof of concept".

Finally, the collaboration with Luchsinger, historic Italian distributor of sensors and instruments, enables Wintek to complete its technical and commercial proposal, having also produced in partnership integrated solutions for measuring and vibration monitoring.

references

Aermacchi - Agusta Westland - Alitalia - Thales Alenia Space - Alenia Aeronautica - Avio Group - Centro Ricerche Fiat - Ferrari Gestione Sportiva - Fiat Automotive Group - Magneti Marelli - Pirelli - TRW Automotive - Valeo

Alstom Transport - Alstom Power - Cemb - Danieli - Dematic - Edison - Enel Produzione - Eni - IHI Turbo - Marposs - Siemens Turbocare - Worthington

Ametek - Candy - Electrolux - Autostrade per l'Italia - BTicino Legrand - Cisco Systems - Rina - STMicroelectronics - Istituto Nazionale di Fisica Nucleare - Marina Militare Italiana - Philips - Telecom Italia

VBA suite

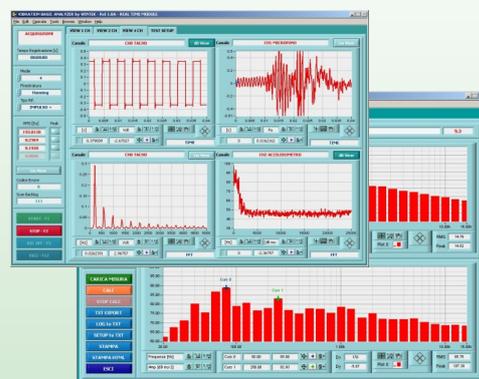
LUCHSINGER
sensori e strumenti

"VBA suite" is the perfect portable instrument for the acquisition and signal processing of noise and vibration signals.

"VBA suite" has many options can ensure the realization of the measurement campaigns for the characterization, for example, of rotating machinery, for the acoustical and structural analysis, not to mention his skills as a "general purpose" tool dedicated to the analysis of the dynamic signals. "VBA suite" also has the option of recording on the computer mass memory of the acquired signal.

"VBA suite" is specifically designed for the use of transportable acquisition systems such as those of the NI-cDAQ family.

Thanks to these characteristics is a very compact and versatile instrument, with different hardware and software options, and designed to ensure an extremely simple use.



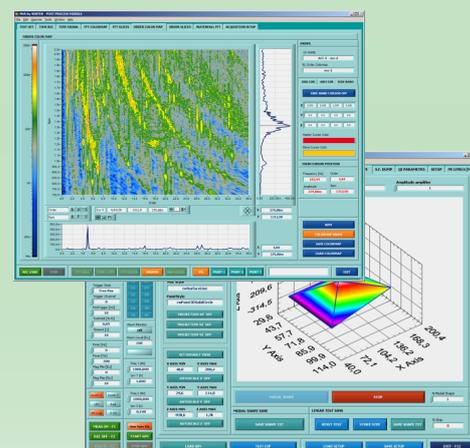
NVA Noise & Vibration Analyzer

"Noise & Vibration Analyzer" is the reference tool for the study of dynamic signals, typical of the noise and vibration world.

NVA is designed for different hardware acquisition system architectures, from simple UsbDaq to the multi-channel PXI station.

NVA is an extremely versatile multifunction measurement system. It can be used both as a system for acquire and analyzing signals in real-time, being also equipped with functions dedicated to monitoring, both as a tool for the detailed analysis: from time domain to frequency domain analysis, from the order analysis to the structural analysis.

NVA is compatible with most common file formats.



NVT Noise & Vibration Tester

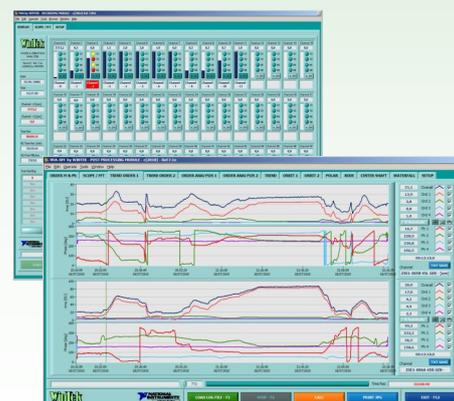
"Noise & Vibration Tester" is a tool dedicated to the needs of monitoring vibration and dynamic phenomena with particular reference to the processes relating to industrial plants, and rotating machinery.

NVT adopts different acquisition and analysis architectures, including distributed type, from cDAQ to cRIO and also PXI and can be installed on different platforms, from classic Windows platform to NI-RealTime.

The open architecture makes it a system for small size plants and for systems with large number of channels (over 500).

NVT integrates advanced analysis functions including order tracking, orbit analysis, Bode diagrams and more.

NVT also provides functions to access dbase via ODBC and OPC technologies.





Over the years Wintek has developed systems and tools for a wide range of needs. From the laboratory applications to the measurement solutions for the manufacturing plants. Below are just some important examples.

Systems for Vibration Stress Test

Vibrations Shaker Controller for the automated testing of vibration (Sine / Random / Shock) as required by international standards (MIL-STD-810 and others)

Systems for Modal Analysis

Measurement and analysis of transfer functions (FRF) with structures excitation by hammer or shaker.

Systems for Acoustical Analysis

Measurement of Sound Power emitted in semi-anechoic and reverberation chamber, measuring the T60 and the acoustic characteristics of materials (Kundt's Tube).

Measurement of employees in call centers noise exposure.

Measurement of perceived audio quality (Psychoacoustics and Sound Quality).

Systems for Electro-Acoustical Analysis

Measurement of Acoustic and Electroacoustic parameters for characterizing Systems, Materials and Electroacoustic Devices as required by International Standard (IEC 268 - DIN 53440 - ASTM 1050 and others)

Systems for Telephonometric Analysis

Test for Approval of Devices Connected to Switched Telephone Network PSTN as required by international standards (CTR21 - TBR38 - FCC68)

Systems for Automated Electronic Test

Integrated Functional Testing System (ATE) for quality control of electronic devices and integrated systems for test and measurement equipment, "Home Automation".

WINTEK s.r.l.

Via Val Seriana, 3 - 20900 Monza MB - Italy

Tel +39.039.740106 - Fax +39.039.740156

mail : info@wintek-it.com

web : www.wintek-it.com