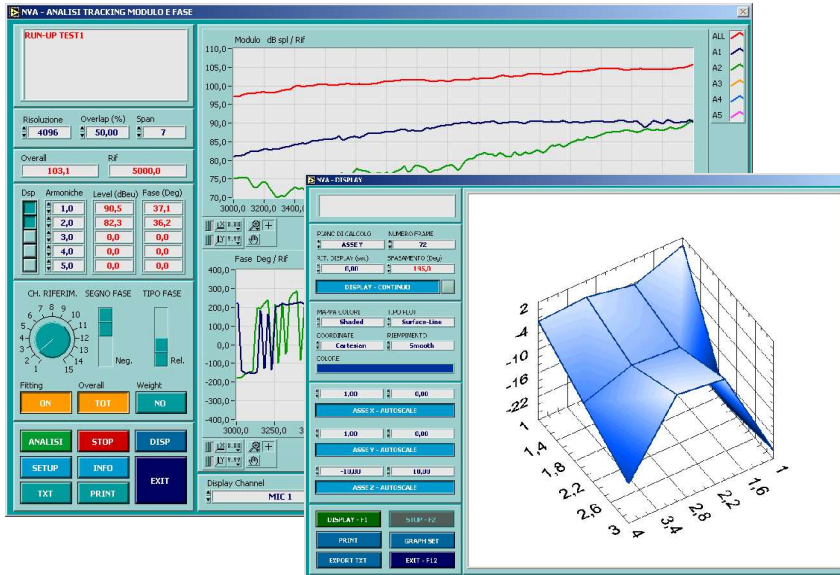


SIGNAL PROCESSING SOLUTIONS



THE CHALLENGE

WINTEK long term know-how in signal processing techniques, enables the company to support customers with user friendly solutions, including general purpose Sound & Vibration Analysis Systems, Electroacoustic Analysis of Telecom Devices, Dynamic Data Acquisition Systems, Test and Measurement Systems for Electronics and others.

In other words, WINTEK develops and manufactures turn-key, computer based, open architecture Acquisition and Analysis Systems using National Instruments components to guarantee a continuous updating own products.

Additional supports available from WINTEK are:

- Sound and Vibration Seminar and Training
- Feasibility Study
- Advice
- On-site Service Contract
- On-field Measure Campaign

THE MARKET

WINTEK most important markets are as follows:

- Aerospace and Defense
- Automotive
- Electronics
- Household Electric Appliances
- Mechanics
- Special Machines
- Semiconductors
- Telecom

THE COMPANY

WINTEK is an Engineering Company - set up in 1992 - working on design, development and supply of computer based Test and Measurement Systems, especially addressed to Digital Signal Processing customer needs.

WINTEK's core business is engineering, developing and integrating of measurement systems and software applications based on standard hardware and software data acquisition and analysis techniques.

The achievement of this target, allows WINTEK to realize "Custom System" meeting fully compatibility with standard technologies to day available on the market, taking care of business investment. Both R&D and Production Line applications (i.e. Q.C.) are covered.

Furthermore WINTEK belongs to "National Instruments Alliance Program" since 1994.

PRODUCTS

- **NOISE & VIBRATION ANALYZER**
Measurement System for VibroAcoustic Parameters specifically for Laboratory and Field Tests (VibroAcoustical and Structural Analysis)
- **NOISE & VIBRATION TESTER**
Monitoring System for plant parameters and Quality Control in Production Line addressed to Sound and Vibration in Mechanical and Electromechanical Systems
- **DIGITAL AUDIO ANALYZER**
Measurement System for Acoustic and Electroacoustic Parameters to characterize systems, materials, electroacoustic devices as per International Standard IEC 268 – DIN 53440 – ASTM 1050 and others
- **DIGITAL NOISE ANALYZER**
Measurement System for Audio Signals (Sound Quality)
- **DIGITAL VIBRATION CONTROLLER**
Multichannel Measurement and Control System for electrodynamic and hydraulic shaker. Random, Sine and Shock Test as per MIL-STD-810 and others
- **DIGITAL DATA LOGGER**
General Purpose data acquisition and PC Recording System; end user configurable
- **DIGITAL TEST EQUIPMENT**
Functional Test Integrated System for Quality Control of Analog and Digital Electronic Devices
- **DIGITAL TELECOM ANALYZER**
Measurement and Homologation System for PSTN components as per International Standards CTR21 – TBR38 – NET4 – FCC68. Electrical and Electroacoustic Tests

SYSTEMS - NOISE & VIBRATIONS

- Acquisition, Monitoring, Signal Recording and Dynamic Analysis Multichannel System for Aerospace Engines Testing
- NVH on Vehicles
- Sound Quality Engine Tests ; Production Line and/or Test Cells
- Car Horn Sound Quality Test.
- Electroacoustic Underwater Signals Monitoring and Analysis
- Sound Power Measurement and Analysis System for Anecoic and Reverbering Chambers.
- Brake System Noise Measurement and Analysis System
- Acoustic Parameters Measurement Systems for Aerospace Composite Materials
- Sound and Vibration Automatic Test for Production Line
- Vibration Measurement System for Pumping System (API Standards)
- Measurement and Analysis System to Investigate Vibrations caused from High Speed Trains
- Noise Analyzer for Tyres Indoor Tests
- Measurement and Analysis System for Predictive Maintenance on Rotating Machinery
- Noise Analysis System for Electrical Household Appliances
- Vibration Analysis System for Military Vehicles
- Shaker Controller System and Multichannel Analysis System for Components Life Tests in Transportation (Automotive, Railways, ...)
- Noise and Vibration Test Systems for Electric Motors Life Tests
- Vibration Analysis System for Electrical Spindle Life Test
- Vibration Analysis System for Electric Motor Test Bench
- Acquisition and Analysis System for ultrasonic signals for Material Characterization Test

SYSTEMS - ELECTRONICS

- Test Systems for Telecom Electronic Devices
- Measurement Systems for Characterization of electronic components in FM receivers
- Test Systems for Electronic Board (analog signals)

SYSTEMS - TELECOM

- Test and Homologation System for PSTN Telephone Set
- Test System for SMS on PSTN
- Monitoring System for FM Radio Station

CUSTOMER REFERENCE LIST

WINTEK most important customer are:

AERMACCHI
ALENIA SPAZIO
AVIO Group - Propulsione Aerospaziale
CENTRO RICERCHE FIAT
FERRARI AUTO
FERRARI Gestione Sportiva [F1]
FIAT AUTO
IHI TURBO
MAGNETI MARELLI
PIRELLI
RIETER AUTOMOTIVE
TRW AUTOMOTIVE
VALEO

ESERCITO ITALIANO
MARINA MILITARE ITALIANA

CANDY ELETTRDOMESTICI
ELECTROLUX
HOOVER MERTHYR UK

ALSTOM
CEMB
COMECART / BURGO
ENEL PRODUZIONE
ENI TECNOLOGIE
MARPOSS
WORTHINGTON

AUTOSTRADe PER L'ITALIA
BTICINO / LEGRAND
CISCO SYSTEMS INC. USA
ITW
STMICROELECTRONICS

ACTERNA
APEX Japan
NEMKO
PHILIPS FRANCE
RAI RADIOTELEVISIONE ITALIANA
TELECOM ITALIA
URMET