



- ✓ Fast and contactless testing
- ✓ Up to dozens of measuring channels for different types of measured signals
- ✓ Seamless integration into current production
- ✓ Stores and exports big data for forensic analysis, traceability and predictive maintenance
- ✓ ROI over 100 % annually

NTS

Testing and measuring system for mass-produced products in midline or end of line testers

NTS

Non-destructive Testing System is an industrial measuring and evaluation system for complex, non-contact product testing, based on the measurement of noise, vibration, magnetic flux and other physical quantities.

BASIC INFORMATION

NTS replaces the time-consuming and subjective control of products performed by the operator with the technology of automated objective measurement in accordance with modern trends of industry 4.0.

Easy integration into existing production system, greater control over the test process, real-time evaluation of the final product quality and reduction of testing time and costs – these are the benefits that the introduction of the NTS system brings to our customers. That's why NTS has become the corporate standard for EOL testing in many multinational companies.

APPLICATIONS

The main use of the NTS system is primarily intended for the testing of products that have rotating or otherwise moving parts, which produce vibrations and sounds.

Automotive

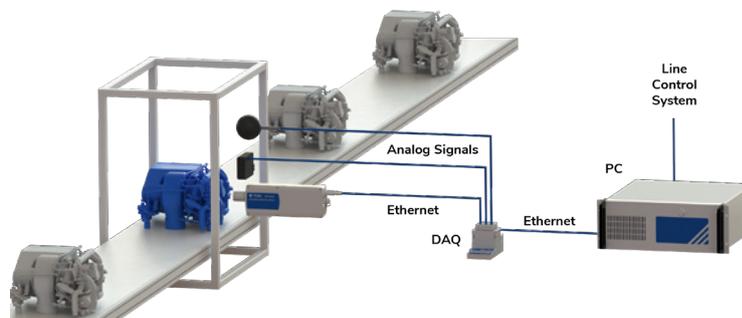
- HVACs
- Car locks
- Motors
- Pumps, compressors
- Power windows
- Power mirrors
- ECU blowers

Appliances Mfg

- HVACs
- White goods
- Home appliances
- Power tools
- Garden appliances
- Home automation
- Personal care appliance

NTS ARCHITECTURE

The hardware of the NTS system is based on a combination of an industrial PC and the National Instruments CompactDAQ data acquisition system platform. The CompactDAQ chassis is equipped with the necessary modules for converting signals from sensors, typically sound and vibration, or modules for direct input of measured quantities (voltage or current).



The main characteristics that the system can measure and evaluate include:

- Sound pressure level
- Vibration (acceleration, speed and displacement)
- Magnetic field
- Voltage
- Strain bridge
- Current electric resistance
- Rotating speed
- Torque
- Temperature