

NTS Platform



A smart industrial measuring and evaluation system for complex, non-contact product inspection through non-destructive testing (NTS).

Test Types

NTS PLATFORM	
Typical Measurements	Sound pressure level Vibration (acceleration, speed and displacement) Magnetic field Voltage Current Speed Temperatures Torque Electric Resistance

NTS Platform Highlights

DESIGNED FOR HIGH-VOLUME PRODUCTION TESTING

Typical test time 0.1 s – 120 s. Fully automated data acquisition and limit testing

MULTI-SENSOR, MULTI-CHANNEL TESTING

NTS can acquire and process data from any sensor producing waveform-line signals (1D data)

DC TO ~200 KHZ FREQUENCY RANGE

NTS focuses on mechanical, thermal, electric or magnetic phenomena of mechatronic products with a frequency change of up to tens of kHz

INDUSTRY 4.0 READY

NTS is built around the concept of Industry 4.0, with a focus on interoperability, data transparency, technical assistance and decentralized decision-making

NTS Platform Summary & Benefits

CONTRIBUTES TO TOTAL QUALITY MANAGEMENT

- Increases test coverage by detecting hidden mechanical, electrical or thermal failures
- Accelerates corrective action through better visibility with acquired/stored data and tools
- Detects trends in measured data to catch issues early

EASY INTEGRATION INTO NEW AND EXISTING TECHNOLOGY

- Contactless testing
- Easy Installation
- Automated operation, easy to implement from supervising PC/PLC

INCREASED ROI

- Accurate verification results to avoid scrapping good products or shipping bad products

CONVERTS DATA INTO VALUABLE INFORMATION

- Full data management across NTS tools, local storage and external database
- Aggregated and raw data can be processed by a number of NTS tools across large data sets

FLEXIBLE SOLUTION FOR NON-CONTACT TESTING

- Supports a wide variety of applications
- Customized to test any product
- Neural networks -based testing

