



Supplying automated industrial
non-destructive inspection and
measurement equipment since 1981

NDT

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Technologies Inc.



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STATE-OF-THE-ART INSPECTION COMPONENTS

Since 1981, NDT Technologies Inc. has provided turnkey Ultrasonic, Eddy Current, Vision & Laser inspection solutions for industrial manufacturers.

Flexibility & maximum performance:

- Each turnkey solution is custom designed to meet the client's specific material quality control in compliance with international standards requirements.
- Solutions can support variable product sizes, production rates, defect resolution and test coverage.
- Automation, digital instrumentation and advanced signal processing provide real-time process control and data display.

Designs, manufactures and tests inhouse, onsite installation and commissioning.

Fully integrated testing and material handling components.

Reliable, optimal and safe equipment operation at all times.

Inhouse expertise includes:

- Mechanical and electrical /automation departments for design of integrated material handling, material testing and measurement components.
- Electronics team for design of high speed signal instrumentation using digital FPGA-based circuitry & signal processing routines.
- Reliable 100% acquisition, storage and processing of all signal data.
- Software team providing multiple GUI real-time signaling displays & web-based reporting.

Certified training in-house and onsite for your supervisory and operating personnel.

24-hour remote assistance, technical support and parts service.

Annual equipment calibration and warranty services available.

About NDT Technologies Inc.:

Our fully equipped research, engineering and manufacturing facility is located just west of Montréal, Québec, Canada. Established in 1981, the company is dedicated to technology, innovation, integration and performance operation at all times.

NDT Technologies Inc.'s team of professionals is chosen for their broad range of complementary experience and knowledge and supported by R&D activities providing solid technological platforms to deliver the latest available technologies.

OPTIMAL RELIABLE MATERIAL AND QUALITY

NDT has a global presence, with over 100 Test Centers installed worldwide in 12 Countries on 4 Continents.

Material Inspection Technologies

- Ultrasonic probe arrays for full volumetric inspection.
- Longitudinal, transversal and oblique defect detection.
- Eddy Current probe arrays for detection of surface cracks.
- Weld seam integrity and defect detection.
- Electromagnetic arrays for detection of internal flaws.

Measurement Technologies

- Probe arrays for weld seam profile measurements.
- Continuous pipe and weld thickness measurements.
- Laser arrays provide geometric validation of product geometry.
- Digital vision arrays for full-surface inspection.
- Laser arrays for validation of product straightness.

Major Projects

- Ultrasonic seamless pipe/tube inspection stations for pipes up to 24.5m (80') in length.
- Electric Resistance Welded (ERW) pipe inspection for weld seam and full body.
- Integrated rail wheel test center with hardness, ultrasonic, dimensional and magnetic fluorescent inspection stations.
- Integrated rail test center with ultrasonic, Eddy current, electromagnetic, dimensional and surface inspection stations.
- Arrays for full volumetric inspection.

Clients

- **Rail Wheel Test Centers**
 - Canadian National Railway (Canada)
 - Maanshan (China)
 - Tudemsas (Turkey)
- **Rail Test Centers**
 - SDI (USA)
 - Angang (China)
 - BSP (India)
- **ERW Pipe Production**
 - Axis (USA)
 - Welspun (India & USA)
 - CNPC (China)
 - Jindal (USA)
- **Seamless Tube Production**
 - US Steel (USA)
 - VVT (Czech Republic)

OVER 100 TEST CENTERS INSTALLED WORLDWIDE



Inline ERW Weld Seam
Test Center



UT Rail Wheel Set & Axle
Test Center



Full Coverage Single-Pass UT
Coil Plate Inspection Station



Rail Test Center with
Multiple Stations



Offline UT Seamless Pipe
Test Center



Compact Self-Contained ERW
Weld Seam Inspection Station

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