

NDT Level II Technician: Advanced Inspection Techniques

Health & Safety
Orlando, Florida (USA)
08 - 12 Sep 2025

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NDT Level II Technician: Advanced Inspection Techniques

Ref: 321777_146501 **Date:** 08 - 12 Sep 2025 **Location:** Orlando, Florida (USA) **Fees:** 5700 Euro

Course Description

This intensive 5-day NDT Level II Technician course provides comprehensive training in advanced non-destructive testing techniques. Participants will gain in-depth knowledge and hands-on experience with ultrasonic, radiographic, magnetic particle, liquid penetrant, and visual testing methods. The course is designed to prepare technicians for Level II certification and enhance their inspection capabilities.

Learning Objectives

- Master advanced NDT techniques for UT, RT, MT, PT, and VT methods
- Develop skills in equipment calibration, test performance, and result interpretation
- Learn to prepare written NDT instructions for Level I technicians
- Understand relevant codes, standards, and acceptance criteria for various industries
- Gain practical experience through hands-on exercises and simulations

Course Modules

Day 1: Ultrasonic Testing UT

- Advanced UT principles and wave propagation
- Equipment calibration and optimization
- Flaw detection and sizing techniques
- Weld inspection procedures

Day 2: Radiographic Testing RT

- Radiation safety and protection
- Image quality and interpretation
- Digital radiography techniques
- Weld and casting radiography

Day 3: Magnetic Particle Testing MT

- Advanced magnetization techniques
- Equipment selection and calibration
- Interpretation of indications
- Automated MT systems

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Day 4: Liquid Penetrant Testing PT

- Advanced PT materials and processes
- Sensitivity and resolution optimization
- Interpretation and evaluation of indications
- Automated PT systems

Day 5: Visual Testing VT and Course Review

- Advanced visual inspection tools and techniques
- Remote visual inspection methods
- Procedure writing and review
- Final practical exercises and assessment

Practical Wins for Participants

- Ability to perform and interpret advanced NDT techniques independently
- Skills to develop written NDT procedures and train Level I technicians
- Enhanced troubleshooting and problem-solving capabilities for complex inspections
- Increased employability and career advancement opportunities in various industries

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