

# **NDT Level II Technician: Advanced Inspection Techniques**

Health & Safety  
London (UK)  
25 - 29 Aug 2025

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## NDT Level II Technician: Advanced Inspection Techniques

**Ref:** 321777\_136381 **Date:** 25 - 29 Aug 2025 **Location:** London (UK) **Fees:** 4400 **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

A graphic of a chessboard with several chess pieces (king, queen, rook, knight, and pawns) in gold and silver. The text 'UK Training PARTNER' is overlaid on the board.

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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

A graphic illustration of a chessboard with several chess pieces. A large gold king piece is prominent in the foreground, with a silver pawn and a silver knight nearby. In the background, there are concentric white circles on a grey surface.

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