

## **Dye Penetrant Testing – Course content Level 2**

### **Overview**

Candidates will have the opportunity to use the various techniques on welds, castings and wrought products whilst gaining detailed theoretical and practical knowledge on all the commonly encountered penetrant testing techniques. This course is suitable for beginners and personnel with existing NDT knowledge, this course is PCN recognised and provides excellent preparation for Level 1 and 2 examinations. It meets the training hour requirements as specified by the relevant PCN documentation.

### **Course content**

- Introduction to the penetrant method
- Principles of penetrant inspection
- Penetrant inspection equipment
- Performance checking
- Defect detection and evaluation
- Production of written technique
- Penetrant techniques
- Relevant standards
- PCN documentation
- Extensive practical element
- Product technology

Validated by BINDT and recognised by PCN

### **Responsibilities of a Penetrant Testing Level 2 certified NDT professional**

An individual certified to Penetrant Testing Level 2 has demonstrated competence to perform NDT according to NDT procedures. Within the scope of the competence defined on the certificate, Level 2 personnel may be authorised by the employer to:

- Select the Penetrant Testing technique for the test method to be used
- Define the limitations of application of the testing method
- Translate Penetrant Testing codes, standards, specifications and procedures into Penetrant Testing instructions adapted to the actual working conditions
- Set up and verify Penetrant Testing equipment settings

- Perform and supervise Penetrant tests
- Interpret and evaluate results according to applicable standards, codes, specifications or procedures
- Prepare written Penetrant Testing instructions
- Carry out and supervise all tasks at or below Level 2
- Provide guidance for personnel at or below Level 2
- Report the results of Penetrant tests.

### **Training and experience hours required for Certification**

Full PCN certification is only achieved once the required experience is acquired following the completion of the required training hours and passing of the examination:

Penetrant Testing

Level 2 – 24 training hours and 3 months experience if Level 1 held or 40 training hours and 4 months experience if direct to Level 2