

# Quality NDT Training Institute

## NDT TRAINING & CERTIFICATION COURSE – DYE PENETRANT TESTING

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### OVERVIEW

The course is presented in a manner that promotes understanding and the ability to make immediate application. This is an excellent course for NDT trainees who want to have Level I and II training in order to qualify for certification as well as facility personnel who are responsible for or oversee the application of Liquid Penetrant Testing.

### COURSE CONTENTS

#### Level I course outline

1. Basics of penetrant testing,
2. Penetrant groups,
3. Pre-cleaning methods,
4. Penetrant testing methods and techniques,
5. Types of developers,
6. Inspection procedures,
7. Sensitivity & resolution checking of test systems,
8. Types of discontinuities.

#### PT Level 1 Practical Training

Visible (Red) and fluorescent penetrant testing of various types of engineering components using dry, wet, solvent suspended developers.

#### Level II course outline

##### Review of Level I Course

1. Selection of techniques,
2. Manufacturing processes and discontinuities,
3. Interpretation of indications,
4. Preservation of indications,
5. Evaluation of test materials,
6. Penetrant materials quality control,
7. Codes, standards and procedures.

#### PT Level 2 Practical Training

Same as for level 1 course + interpretation, evaluation.

### FOR MORE INFORMATION

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