

EDDY CURRENT TESTING

OPTIONAL CATEGORIES INCLUDE: TUBES, WELDS OR WROUGHT PRODUCTS



Eddy current testing is a non-contact electromagnetic testing technique used for the inspection of conductive materials without the need to remove non-conductive coatings. An electromagnetic probe is used to induce a localised current into the material under test. Discontinuities such as fatigue cracks will interrupt the flow of currents and alter the terminal impedance of the test probe. The amplitude and phase of the received signal can be interpreted to ascertain the severity and exact location of any discontinuities found.

We provide eddy current training and examinations suitable for PCN/EN473/ISO9712 certification to Levels 1, 2, 3 and ASNT Level 3. We also offer training suitable for employer based schemes such as SNT-TC-1A, NAS410 and EN4179.

The options for eddy current testing training and examinations include:

- Eddy Current tubes
- Eddy Current welds
- Eddy Current wrought products

COURSE CONTENT

- General theory and principles of eddy current testing
- Types of eddy current and flux leakage sensing elements
- Calibration and set up of equipment
- Eddy current inspection techniques
- Data analysis – defect detection
- Interpretation of results according to specific standards, codes and practices



DURATION

Courses usually consist of 9 days training and 1 day examination. The examination includes a general theory paper, specific paper and practical exam.



EVERYTHING WAS VERY EDUCATING. THE TUTOR EXPLAINED THE COURSE VERY WELL. **A GREAT TEACHER.**

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