



Eddy Current Array Inspection for Aircraft Applications

- 40 hour (1 week) course for aircraft inspectors already certified level 2 or 3 in conventional Eddy Current inspection of aircraft and needing to progress into Eddy Current Array (ECA) inspection.
- Suitable for aircraft manufacturers, aircraft operators and Space and Defense personnel.
- Formal classroom theory sessions covering: comparison of conventional Eddy Current theory and ECA theory and techniques, familiarization with the OmniScan® operation, current aircraft applications including: Lap joint corrosion and cracking detection, skin corrosion detection (remote surface) second layer crack detection, surface crack detection, fastener hole inspection, landing gear inspection.
- Structured hands-on practical exercises using the OmniScan® on our range of aircraft defect samples (Please feel free to also bring your own samples).
- Technique development training and set-up optimization.
- Software manipulation for imaging, data storage and set-up storage.
- This course can be used for certification requirements in accordance with employer based certification programs such as SNT-TC-1A or NAS-410. Assistance will be provided to enable course attendees to incorporate the additional requirements into their NDT personnel certification program.
- Qualification examinations can be administered on course completion by prior arrangement.

Ultrasonic Phased Array Inspection for Aircraft and Aerospace Applications

- 40 hour (1 week) course for aircraft inspectors already certified level 2 or 3 in conventional ultrasonic inspection of aircraft and needing to progress into phased array inspection.
- Suitable for aircraft manufacturers, engine manufacturers, aircraft operators and Space and Defense personnel.
- Formal classroom theory sessions covering: comparison of conventional ultrasonic theory and phased array theory and techniques, familiarization with the OmniScan® operation, current aircraft applications including: composites, metal/metal bonding, friction stir welding, fastener hole inspection, billet inspection, landing gear inspection.
- Structured hands-on practical exercises using the OmniScan® on our range of aircraft defect samples (Please feel free to also bring your own samples).
- Technique development training and set-up optimization.
- Software manipulation for imaging, data storage and set-up storing.
- This course can be used for certification requirements in accordance with employer based certification programs such as SNT-TC-1A or NAS-410. Assistance will be provided to enable course attendees to incorporate the additional requirements into their NDT personnel certification program.
- Qualification examinations can be administered on course completion by prior arrangement.