



NDT inspection on a honeycomb aerospace part.

FIELD NDT INSPECTIONS WITH SHEAROGRAPHY

Digital Shearography NDT System Q-810

Applications

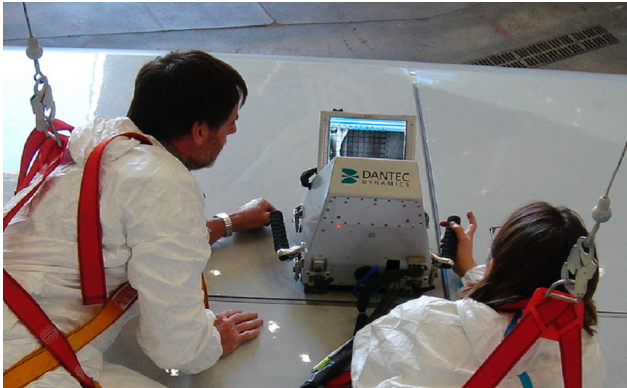
- In-field use for large area NDT inspections
- Detection of delaminations, disbonds, kissing bonds, wrinkling impact damage, crushed core and much more
- Defect detection in composite materials carbon fiber, glass fiber, laminates, honeycomb etc.

Features

- A certified NDT method, ASNT, EN 4179, NAS 410 and ASME
- Rapid full-field inspection rate 300 mm x 200 mm every 10 seconds
- Adaptive seals for use on highly curved surfaces
- Operates independent of the local environmental conditions and can be used for production or in-field inspections
- Simple 2 button operation

Wrinkles, Dry-spots, Bond-lines...

The Q-810 System can detect defects including wrinkles, dry-spots, delaminations, disbonds, impact damage and many more with no surface preparation. It can also be used to investigate structural integrity, bond-lines and the separation of structural components. The turn-key optical system is non-contact and full-field and will work on such materials as glass fiber and carbon fiber laminates.



Large Surface Area Coverage

The integrated systems are optimised for large surface area inspections, for example on aircraft fuselages, wings, control surfaces, ship hulls, wind turbine blades and rocket components. The full-field inspection rate is a rapid 300 mm x 200 mm every 10 seconds. With adaptive seals the systems can be used on flat as well as highly curved surfaces.



A Certified Technique

Shearography has been incorporated in ASNT standards since 2006. NAS 410 Certified since 2008. (SNT-TC1-A, and CP-105). ASTM standard (ASTM E2581) defines how to inspect composites with shearography. Laser shearography has been approved by leading suppliers in the aerospace, automotive, wind turbine and other industries.



Rotor blade NDT inspections with Shearography

Additional information

For additional information please contact your Dantec Dynamics representative.

The specifications in this document are subject to change without notice