



MOBILE TESTING ON SITE

As not all aircraft components to be inspected can be removed, it is often necessary to carry out NDT inspections directly on the aircraft. Even long AOG times lead to high costs, the more valuable mobile NDT devices are, which can test on the aircraft themselves within a very short time. FACC offers various moveable control services, such as A-Scans (pulse-echo technologies) and even the unique FACC thermography device.



DETECTING EVERY DEFECT



FACC is holding the EASA Part 145 D1 (NDT) approval. The NDT service is covering the Level 3 function for all common methods. Each trained & experienced operator has qualified in accordance with NAS 410 & EN 4179.

For more information contact:

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FACC Aftermarket Services
Repair | Refurbish | Replace

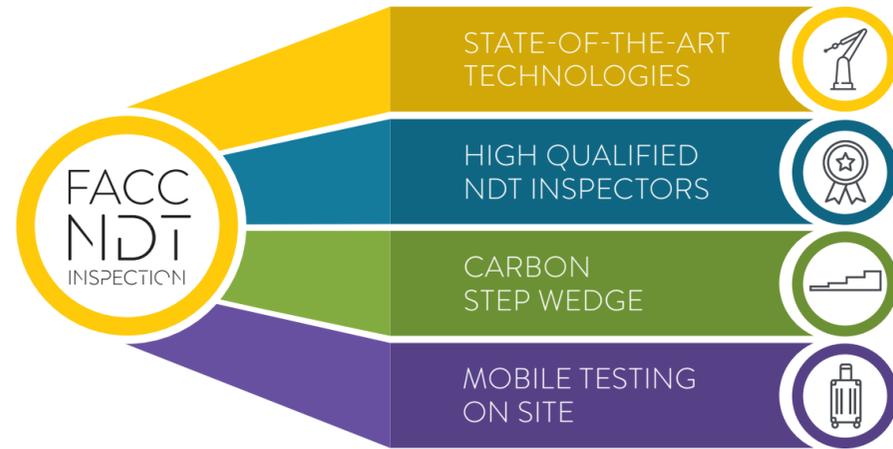
facc.com

FACC'S NDT INSPECTION WITH FULL SERVICE

Fast, highly precise and fully flexible – FACC's non-destructive inspections offer not only the most precise results, but also the most flexible and comprehensive service around the inspections. Our unique state-of-the-art NDT technology, some of which can even be used on-site on your aircraft, our highly qualified NDT inspectors and our decades of expertise as original composite manufacturer make it possible.

BEYOND HORIZONS

TAKE ALL BENEFITS OF FACC'S NDT INSPECTION



Clearly, the best technologies are a prerequisite for the most precise NDT inspection results in the aviation sector. But also to achieve the best results for your company's budget, it requires further benefits.

While only the best technologies can deliver the best test reports, only the best qualified NDT inspectors can evaluate these reports in the best way. Time is another valuable factor in keeping your company's costs as low as possible. Due to moveable control services, FACC is also able to test and deliver results on site in the shortest possible time.

However, FACC's competences go even further. As an original component manufacturer, we have comprehensive know-how and decades of expertise in the production of composite components. For this reason we are in the advantageous position to provide our NDT inspection customers with carbon step wedges for any material in order to achieve the best possible test results.

Another advantage of this is that FACC holds an ESA Form 1 approval for a variety of composite components, which can be used to certify flight suitability after a negative test result.

STATE-OF-THE-ART TECHNOLOGIES



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With the latest and best NDT technologies, FACC offers a unique service. The range of test equipment includes not only the test devices and systems available on the market, but also custom-made construction units that enable the absolute most accurate test results to be achieved and even e.g. for complex construction unit geometry.

> Ultrasonic Testing Equipment

The challenge in non-destructive testing for the aviation industry lies in the fact that the material mix and, above all, the shape of the composite components are quite various and complex. In order to be able to examine all kind composite components of an aircraft - whether the part is straight or bent or has a cylindrical shape, etc. - FACC's equipment includes all the necessary ultrasonic technologies: A-Scans and C-Scans (especially for bent parts), with scan areas of 4 to 10 axes.

> X-Ray Equipment

FACC has industrial x-ray devices designed to meet the most critical aerospace standards and provide exact verification of arisen defects.

> Thermography Equipment

When it comes to the thermography test method, FACC may be able to offer the best technology and service in the world. In cooperation with research institutes and technical universities, the FACC NDT engineering team has succeeded in designing a thermography system that can hardly be surpassed in speed and accuracy.



HIGH QUALIFIED NDT INSPECTORS



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Non-destructive testing inspectors need a wide range of technological, reasoning and creative skills. They need to be able to interpret the findings gathered by the use of NDT technologies and to detect imperfections on large structures. Their reports need to explain their findings in great detail. But above all, NDT specialists must meet certain basic requirements in order to be allowed to operate testing equipment for the aircraft industry. FACC has an NDT inspectors team of about 60 professionals who act quickly and competently for customers around the world in all technical test areas.



CARBON STEP WEDGE



CUSTOMIZED
CARBON
STEP WEDGE

CARBON STEP WEDGE

One of the other most important factors for a precise non-destructive test result is the quality of the reference material. Because the result can only be as valuable as the test material required for the comparison. As an original component manufacturer, FACC has decades of know-how and experience in the manufacture of composite materials. This enables us to offer the production of carbon step wedges for the usage as reference material - not only in standard versions, but also in customized versions. Due to its cooperation with research institutes and technical universities, in the field of defect imitation FACC is in a position to make almost impossible things possible.

