

A2 Technologies Receives Research Contract from the Federal Aviation Administration (FAA)



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A2 Technologies announces today that it has received a three year research contract from the Federal Aviation Administration to study the effectiveness of Fourier Transform Infrared Spectroscopy (FTIR) for determining damage to composite materials used in civilian aircraft applications.

The project will focus on three main tasks. A2 Technologies' hand-held Exoscan FTIR system will be used to develop the methodology for determining, thermal, UV and chemical damage to composites. Once this is developed, it will be used to detect the full extent of damage in composite panels and to monitor and aid in bonding and repair processes. These methods will then be implemented to enable the Exoscan system to be used by qualified non-destructive evaluation personnel in field trials. Collaborating on this project with A2 Technologies is The Center for Composite Materials at the University of Delaware.

Jon Frattaroli, CEO of A2 Technologies states "*We developed Exoscan as an easy-to-use, high performance, hand-held FTIR spectrometer in order to expand the use of this widely used analytical technique to non-laboratory applications. We are delighted that the FAA has seen the potential value of FTIR spectroscopy as a non-destructive analysis technology for use in aircraft manufacturing and maintenance. We are excited to work with our outstanding collaborators to prove the value of this technology.*"

