



## **Boeing Finalizes Acoustocam NDT Procedure for 787 Dreamliner**

*All Nippon Airways Spearheads Quick and Quantitative Composite Inspection Method*

**February 21, 2014** – BELTSVILLE, MD – Imperium, Inc. today announced that Boeing has included a procedure for using Imperium’s ultrasonic imaging device, the Acoustocam™, in its 787 Dreamliner Non-Destructive Testing (NDT) manual. The procedure provides a method to inspect the 787 Dreamliner’s carbon fiber-composite airframe in the field quickly and nondestructively.

“It is wonderful to see our technology validated by a world-class organization such as Boeing,” said Bob Lasser, President and CEO of Imperium. “The increased prevalence of composite structures requires a new set of inspection tools, and these tools must be fast and easy to use in the field while still providing customary quantitative ultrasonic data. Clearly, our Acoustocam suits this growing need.”

Boeing, the world’s largest aerospace company and a leading commercial aircraft manufacturer, publishes NDT manuals that contain maintenance and inspection procedures for its aircraft. Boeing’s procedure for the Acoustocam™ is available to all 787 Dreamliner owners. The procedure, entitled “Part 4 – Ultrasonic Inspection of BMS 8-276 Solid Laminate Fuselage Structures for Damage (Ultrasonic Camera),” helps NDT inspectors capture real-time, high-resolution ultrasound images of composite structures.

Hiroshi Kobayashi, Senior Manager of Structural Engineering at All Nippon Airways (ANA), said that the Acoustocam™ produced superior results over other NDT devices and was “very helpful in capturing the image of internal structures quickly.” ANA, Boeing’s largest 787 Dreamliner customer, initiated the Acoustocam™ procedure development process in 2013.

### **About Imperium**

Founded in 1996, Imperium develops and markets handheld ultrasonic devices to NDT professionals who need to inspect quickly large surface areas while maintaining sub-millimeter image resolution. The lack of heavily trained personnel drove the Company to develop the Acoustocam™, which generates subsurface images that are easily understood and interpreted. Headquartered in Beltsville, Maryland, Imperium conducts all engineering, development, and manufacturing (including full semiconductor processing) in its 6,000 square foot facility. With clients around the world, Imperium is dedicated to delivering top-quality, user-friendly ultrasonic imaging products for use in a variety of industrial applications. For more information, visit Imperium’s website at [www.imperiuminc.com](http://www.imperiuminc.com).