Laser Technology Inc.

Aerospace Inspection Systems

Shearography Chamber and Gantry Systems

8’ x 8’ x 8’ Vacuum Shearography Chamber

X / Y Gantry

Pier Type X / Y Gantry

8’ x 8’ x 32’ & 12’ x 12’ x 12’ Vacuum Shearography Chambers

LTI 9000 Shearography Vacuum Test Chambers

Shearography Vacuum Test Chambers have unique design features optimized for mechanical stability, high cycle rate, low noise, industrial safety, and laser safety. They are typically designed in 4 foot segment lengths, width and height. This design may be changed due to the customer size requirements: The chamber is typically provided with one (1) End Door and, one (1) Side Man Door. Test chambers are designed for a maximum operating pressure differential of 0.3Bar (4.41 psi).

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Aerospace Inspection Systems

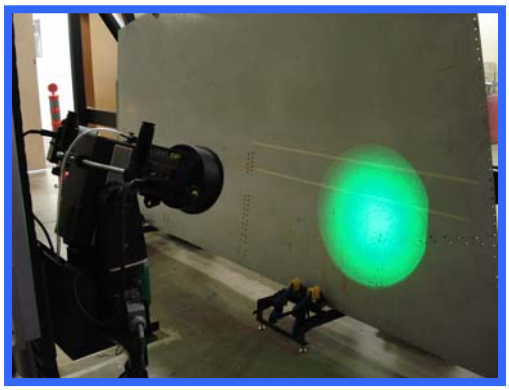
Custom Integration Systems

Shearography systems can be adapted to existing scanners where practical and cost effective.

Shearography Camera, LTI-5100 and Exciter mounted to an overhear crane.

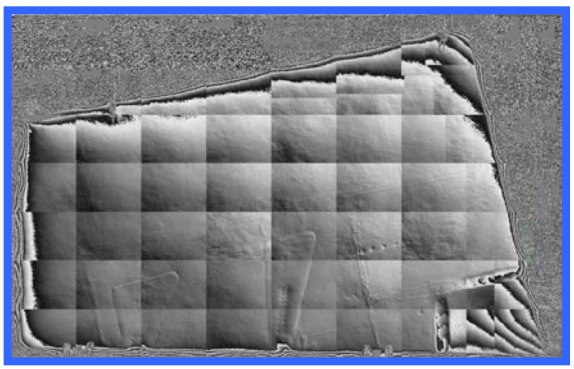
Fuselage Section being loaded into the LTI-9000 Production Shearography System

Shearography Camera & Equipped with Thermal and Pressurization excitation on the X/Y 12' high x 20' long Shearography Gantry



Shearography Inspection of a 747 Flap

12' high x 20' long Shearography Gantry



Stitched Shearography Image of a 747 Flap

LTI has more experience than any other company in the world building production shearography systems meeting the industry needs for in-line shearography inspection of aircraft and aerospace components. LTI continues to be the leader in the laser shearography industry with the latest in innovations of technology application of software and hardware.

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