



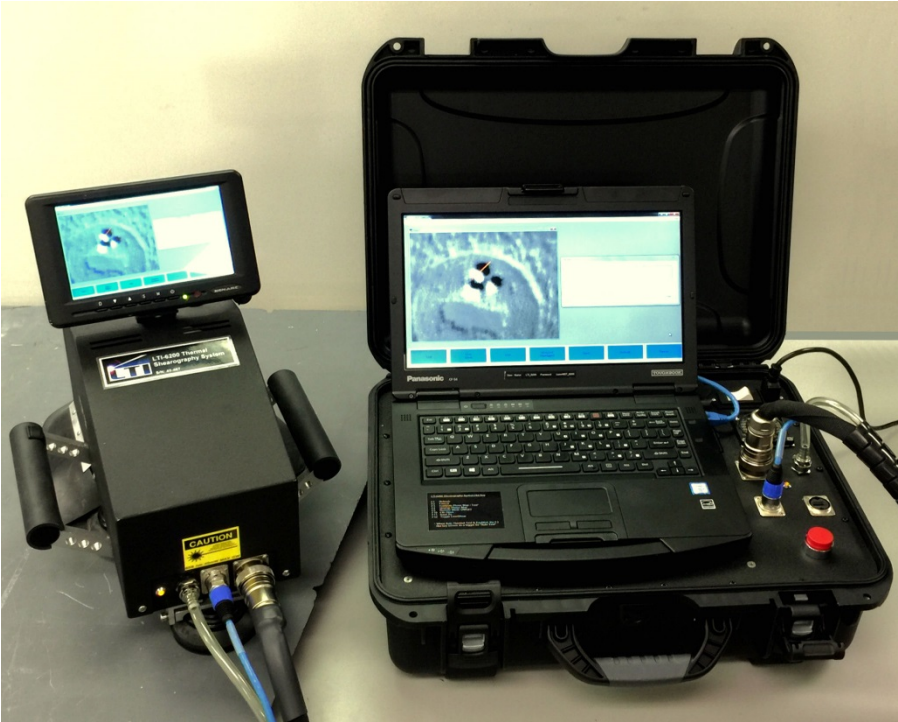
# ***Laser Technology Inc.***

***Aerospace NDT Systems***

## **Model LTI-6200**

### **Portable Thermal Shearography NDT System**

***Fast, Rugged, Easy to Use***



#### **System Features**

- Complete NDT System
- Image analysis and measurement tools
- Vacuum attach to test article in any orientation
- Save/Recall NDT Test Procedure & Macros
- Light Weight, Rugged
- Easy to Use

#### **Image and Measure**

- Impact Damage
- Delaminations
- Disbonds
- Defective Repairs
- Heat Damage
- Porosity

#### **Material Inspection Applications**

- Composite Laminates
- Metallic Honeycomb
- Composite honeycomb
- Nomex®, Rohacell® and syntactic foam cored panels and structures





# Laser Technology Inc.

Advanced Aerospace NDT Systems

## Model LTI-6200 Portable Shearography System

### Description

The LTI-6200 is a compact, portable thermal shearography system designed for the nondestructive inspection of aerospace composite repairs, structures and components. The LTI-6200 has a vacuum attach feature to allow operation in any orientation on-aircraft, on panels in the shop or on the bench. The patented cantilevered design allows inspection up to edges and corners on flaps, control surfaces, wing panels or cut-outs. The system features automatic operation with easily SAVE/RECALL NDE Procedure Macros, automatic exposure and image storage. The LTI-6200 includes the Inspection Head, Controller, cable set and transit case.

### Specifications

#### Dimensions (L x W x H)

Inspection Head	14 x 8 x 12 inches, 35.8 x 20.5 x 30.7 cm
Controller Case	20 x 16 x 8 inches, 50 x 40 x 20 cm

#### Weight

Inspection Head	10 lbs., 4.5 kg.
Controller Case	13 lbs., 5.8 kg.

#### Power

100 to 240 VAC, 50/60 Hz.,  
15 amps max.

Field of View (H x W) 4 x 6 inches, 10.3 x 15.4 cm

Displays (2) (H x W) • 4 x 6 inches, 10.3 x 15.4 cm,  
1200 x 800 pixels, 32bit color,  
• 16 inch/40cm, 1200 x 800 pixels,  
32bit color

#### Operation Modes

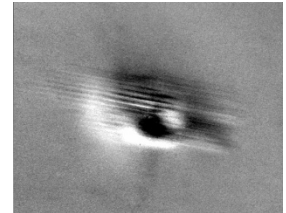
- User Programmable Thermal Shearography
- Analysis and Measurement
- Image Overlay

System Software ThermalShear 2.0

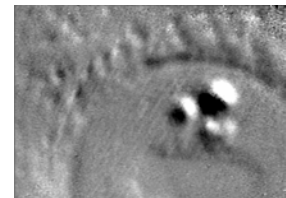


The LTI-6200S is manufactured in the USA under US and foreign patents.  
6,717,681; 5,257,088; 5,094,528 Additional patents applied and Pending.  
Specifications are subject to change. 4/2017

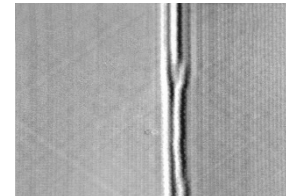
### Typical Results



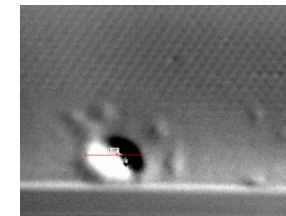
Tool drop impact damage to composite wing panel.



Disbonds in composite repair.



Wrinkled fibers in a solid composite laminate.



Metal helicopter blade disbonds detected and measured.