



# Laser Technology Inc.

Advanced NDT Systems

## Model LTI-5200 Portable Vacuum Shearography System

*Fast, Tough, Easy to Use*



### System Features:

- Self contained
- Light weight
- Vacuum attach
- Test macros
- Defect measurement tools
- Simple image download

### Benefits:

- Portable
- Flexible
- Reliable
- Ease of reporting
- Quantifiable data reporting

### Material applications:

- Foam and Nomex™ cored structures
- Metal and composite honeycomb

### Industry applications:

- Aerospace
- Marine
- Rail



# Model LTI-5200

## Portable Vacuum Shearography System

### Description

The LTI-5200 is a compact, portable vacuum shearography system designed for large area inspection of aerospace, marine and rail composite and cored sandwich structures and components. The LTI-5200 vacuum attaches in any orientation. Increasing vacuum level allows imaging and measurement of subsurface defects. The system features automatic operation with easily programmed NDE Procedure Macros, automatic exposure and image storage. The LTI-5200 includes the Inspection Head with built-in digital shearography camera and Transit Case, Vacuum Generator/Computer Case, interconnect cables and standard vacuum hose length of 20 feet / 6 meters.

### Specifications

#### Dimensions

	(L x W x H)
Inspection Head	12 x 15 x 14 in. / 30 x 38 x 35 cm
Transit Case	24 x 20 x 28 in. / 61 x 51 x 71 cm
Vacuum Generator/Controller Unit	24 x 20 x 28 in. / 61 x 51 x 71 cm

#### Weight

Inspection Head	16 lbs. / 7.3 kg.
Transit Case	8 lbs. / 3.6 kg.
Vacuum Gen./ Controller Unit	40 lbs. / 18.1 kg.

#### Power

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

#### Field of View (H x W)

8 x 9.5 inches / 20 x 24 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,  
32 bit color

#### Operation Modes

- Phase Step Vacuum Shearography
- Analysis and Measurement
- Image Overlay

#### System Software

LTI-ShearNDT 2.9

#### Options:

- Custom adapters for curvature radii less than 28 inches
- External Hard Drive for Data Transport (40GB)

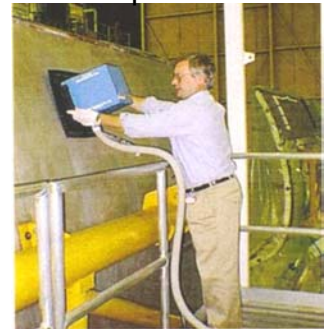


The LTI-5200 is manufactured in the USA under US and foreign patents. 6,717,681; 5,257,088; 5,094,528 Additional patents applied and Pending. Specifications are subject to change. 10/06

AWACS rotodome



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