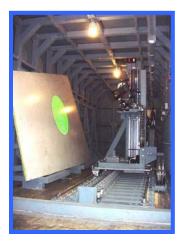
Laser Shearography Systems

LTI Full Range of Laser Shearography Systems



Production Systems – Model LTI-9000

FEATURES

- Digital Phase Stepping Camera
- Real Time Phase Map
- Speckle Averaging
- Feedback & Control
- Laser Projection
- Post Analysis Software
- Auto Image Stitching
- Auto Scanning

CONFIGURATIONS

- Vacuum Chamber
- X Y Gantry
- Custom System Design



Semi-Portable, Model LTI-5100

FEATURES

- Digital Phase Stepping
- 100mW to 5W Lasers
- Tripod Mount
- Adaptable to a gantry
- Post Analysis Software



New Portable, Model LTI-6200

FEATURES

- Light Weight and Simple to Use
- Vacuum Attach to Structure
- Thermal Stress Excitation
- One Man Operation



Portable Model, LTI-5200

FEATURES

- Digital Phase Stepping
- Portable Inspection Hood
- 150mW Laser Technology Inc.
- Vacuum Excitation



Laser Shearography Systems

LTI Laser Shearography System Options & Accessories







Production and Model LTI-5100 Systems

ACAD - Acoustic Stress Device

- PC Based Signal Generator/Filter
- Acoustic Horn

MECAD – Mechanical Excitation Device

- PC Based Signal Generator (BW Limited White Noise)
- Filter Network, Matching Network
- Power Amplifier and Piezoelectric Shaker
- Menu Driven Software

Thermal Loading Device

- Two Banks of 3 each 150 watt Halogen Lamps
- Tripod or Gantry mounted with Air Blower
- Software Control

Turntable

- Manual or Motorized
- Turntable Diameter Customized

Vacuum Window

- Vacuum Attached
- Vacuum Generator and Blower Controller Assembly
- Window Size Customized
- Curved Surface Windows also Availiable

Lasers

- 2 to 5 watt Coherent Verdi Laser Technology Inc.
- Fitted with Fiber Optic Cable

Laser Calibration Standard Fixture

• Fixture used for Laser alignment

Laser Training Course

- In accordance to SNT-TC-1A guidelines
- Level II & III 40 hour courses

Custom Vacuum Chambers

Chambers can be customized to meet customers inspection requirements

