

# 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 Technology, Inc.**

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## 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 Available

#### 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



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