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.
1055 Germantown Pike, Norristown PA 19403, Phone: 610-631-5043, Fax: 610-631-0934, Website: www.LaserNDT.com
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 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