**BEMIS-LC™ Features**

- **High Resolution** laser-based system for assessment of weapon bore condition
- **Rugged and Portable Design** for use in the field or shop
- **Muzzle brake** does not have to be removed during inspection
- **Automated** inspection process removes operator subjectivity
- **3D Precision** bore erosion profiling and laser-based dimensional measurement
- **High Resolution LaserVideo™** provides visual, camera-like image of entire gun tube surface
- **Quantitative data** for unparalleled gun tube surface and erosion analysis
- **Advanced analysis and reporting** software provides data in hard-copy summary or exportable to text file
- **Transportable Inspection Data** can be reviewed, stored and reviewed at remote locations
- **Automatic report generator** software provides tabular summary of test results
- **Operator-Configurable** motion and scan control
- **Quick setup** with automatic calibration routine
- **On-Site training** available

**LTC...Making Heroes™**
**BEMIS™ Large Caliber Inspection System**

includes:

- LP-4210F™ Field-Grade Data Acquisition and Control Unit Including LaserViewer™ Software
- Self-propelled Crawler Unit
- Laser Sensor Scanning Assembly
- Shielded Sensor Extension Cable
- Integrated Guide Tube Adapter and Calibration Set
- Hard-sided Shipping Cases

**Basic Specifications:**

Axial scan resolution: Up to 0.1 mm (0.004 inch) per increment

Rotary scan resolution: Up to 0.1 mm (0.004 inch) per increment

Sensor resolution: 5 microns (.00025 inch)

Sensor Linearity: 12 microns (.0005 inch)

Laser Power: < 4 mW

Laser Spot Size (max): 0.05 mm (0.002 inch)

Laser Power Classification: Class II

Power: 110/240 VAC – 50/60 Hz

Test Results Displayed: Contour view and cross sectional

Surface contour display with 256 color, grey-scale, thermal and solid color options

Typical Display allows operators in-depth analysis of test results

Test results can be generated in tabular format