

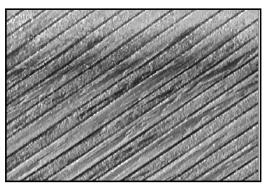
## BEMIS-MC™ Medium Caliber (20mm – 76mm) Portable Bore Erosion Measurement and Inspection System



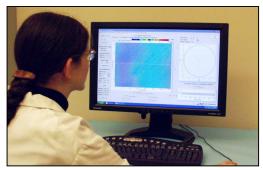
**Designed to Inspect Medium Caliber Bores** 



35mm Portable Sensor Delivery Unit and Guide Tube Adapter



LaserVideo™ Image of Gun Bore



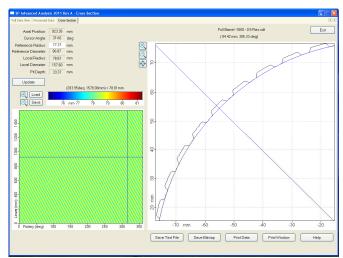
LaserViewer™ Analysis and Reporting Software

## BEMIS-MC<sup>™</sup> Features

- High Resolution laser-based inspection system for assessment of weapon bore condition
- Rugged and Portable Design for use in the field or shop
- Automated inspection process removes operator subjectivity
- 3D Precision bore erosion profiling and laserbased dimensional measurement
- High Resolution LaserVideo<sup>TM</sup> provides cameralike 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<sup>sm</sup>





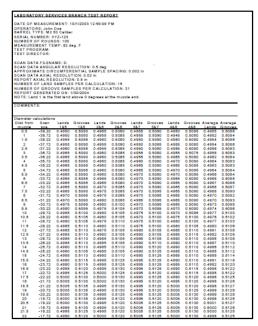
Typical Display allows operators in-depth analysis of test results



**Medium Caliber Laser Scanning Sensor** 

## **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



Test results can be generated in tabular format

## BEMIS-MC™ Includes:

- " LP-4210F™ Field-Grade Data Acquisition and Control Unit Including LaserViewer™ Software
- Portable Sensor Delivery Unit
- Laser Sensor Scanning Assembly
- Shielded Anti-Twist Sensor Cable
- Guide Tube Adapter and Calibration Set
- Hard-sided Shipping Cases



**Complete BEMIS-MC™ System** 

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CAUTION