BEMIS™ Pipe Inspection Systems

Advanced Laser Inspection Technology

The BEMIS™ Pipe Inspection System is a high-performance laser-based tool capable of rapidly, accurately and quantitatively mapping the internal surface of small and medium diameter pipes. Its flexible and user-friendly control and analysis software provides a wide variety of options for motion control, data acquisition, analysis and display.

Features

- **Rugged and portable design** for use in the field or shop
- **High Resolution** laser-based system for assessment of pipe ID bore condition
- **3D Precision** mapping of pitting and erosion profiling
- **Operator-Friendly** motion and scan control
- **Quick setup** with automatic calibration
- **Easily adaptable** to a variety of pipe sizes
- **LaserVideo™** provides visual image of internal features
- **Accurate and Quantitative** data for unparalleled measurement of pitting and erosion
- **Optional advanced analysis and reporting software** for in-depth processing of test results
- **Optional automatic report generator** software for rapid summarization of large data sets
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**: 15 microns (.0006 inch)
- **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
- **Tabular summary reports available**
- **Standard scan lengths up to 15 meters**