

Automated Gage Measurement System for Sand Screen (AGMS)

provides accurate and repeatable optical measurements for all wire-wrapped gaps along the full screen length. This inspection machine enables oil field sand screen manufacturers to meet the measurement requirements of API Spec 19S1 and ISO 17824:2009. The system also enables manufacturers to continuously improve wire wrapping processes to ensure the highest quality and efficiency. The computer-based AGMS control system can be connected with manufacturing networks to ensure product traceability and can be tightly integrated with existing quality systems. For customers needing additional functionality, G Systems also provides full customization services.



SPECIFICATIONS

- Gap sizes:
0.004 – 0.100 inch
- Scan range:
2.5 – 44 feet
- Diameter range:
1 – 10.6 inches
- Accuracy:
 ± 0.0005 inch
- Resolution:
 ± 0.0001 inch
- Scan speed:
2 feet/min
- All wire types – flat or round surfaces
- Scans jackets or jackets-on-pipe
- Automated or manual scanning
- Automated self-calibration check

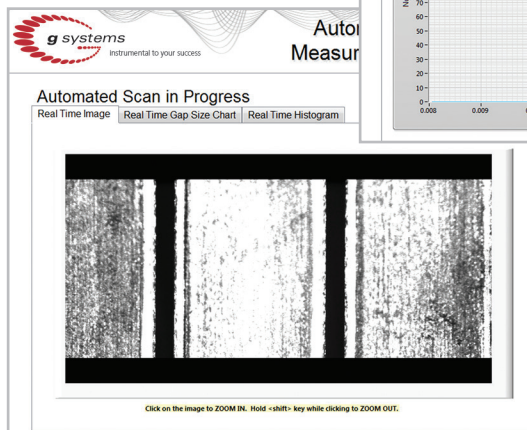
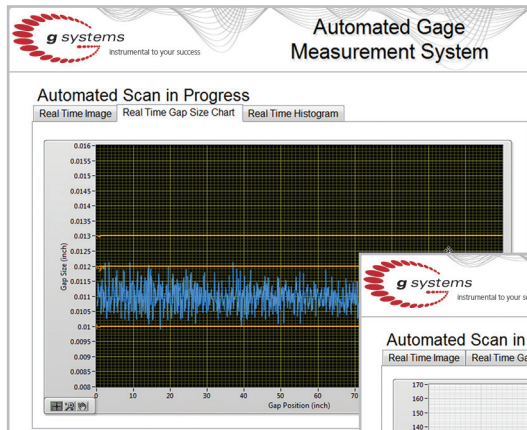
BENEFITS

- Enables API Spec 19S1 and ISO 17824:2009 measurements
- Provides NIST traceable measurements to satisfy ISO 9000
- Provides process capability insight and repeatable measurements to drive process improvement
- Easily integrates into production with simple-to-use interface
- Mature, robust design ensures low-risk implementation
- Rugged monolithic steel bed with precision rails for high reliability, high precision, and minimal maintenance
- Configurable software and reports for custom product tolerances and other quality plan-specific information

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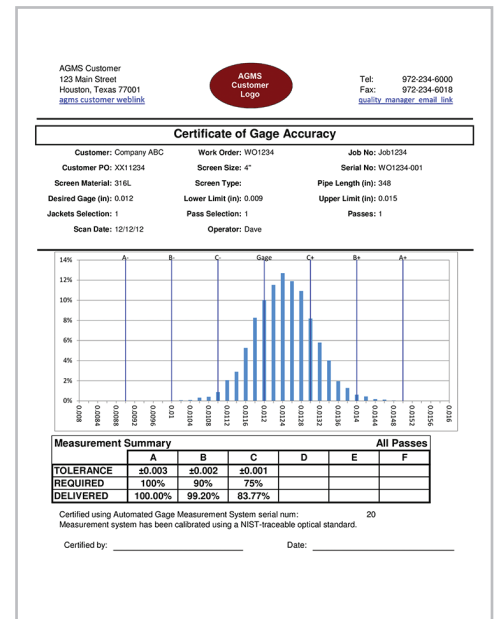
EASY-TO-USE SOFTWARE

- Automated or manual scanning

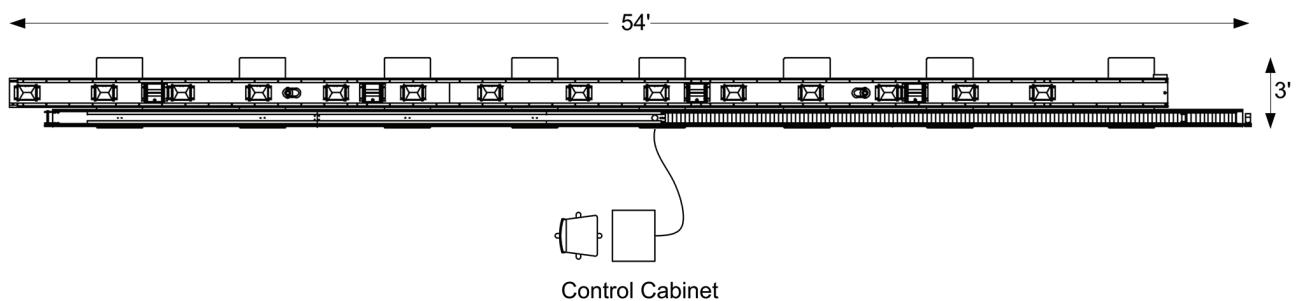


CUSTOMIZABLE RESULTS OUTPUT

- Easy-to-read customer reports in both electronic and hard-copy using customizable MS Excel® report templates.
- Additional detailed measurement results, statistical tables, and charts for each scan for internal process improvement.
- Additional customization services are available from G Systems.



INSTALLATION FOOTPRINT



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