Automated Geotechnical Laboratory Testing Systems

Geocomp’s Products Division has delivered fully automated geotechnical testing systems for more than 15 years with the winning combination of technical sophistication, reliability, and ease-of-use. We have merged the latest technology in electronic and mechanical components with powerful software algorithms to create unique, highly accurate, fully automated equipment.

What Do Geocomp Products Offer?

- Unmatched automation from test start to finish - 2 to 32 times faster results and labor time savings of 10% to 95% vs. manual testing.
- Flexible design - perform additional testing on the same platform to save money and space in your lab.
- Full test control and remote monitoring allow you to take your testing on the go - view real-time results, check test quality, and change parameters.
- Convenient reporting - produce complete, compliant reports instantly or export data for desired manipulation.
- Designed for consistent and repeatable testing you can be confident in.

Additional Benefits of Geocomp Automated Systems:

- Time-tested design for years of reliable and repeatable testing.
- High accuracy and precision with low electronic "noise" - stable to one part in 50,000.
- Common Windows® based user interface across all test types for easy learning and operation.
- Remote accessibility allows for convenient and interactive technical support.
- Precise control of loading and displacement rates for both monotonic and cyclic loading.
- Built-in protective system to minimize damage to equipment.
- Measured strains as low as 10⁻⁶ and displacements as low as 0.1µM, even at high sampling rates.
- Detailed strain control for cyclic testing at rates up to 20Hz.
- Maintain precise control of cyclic deviator stress and axial strain at 1 Hz.
- Built-in data-reduction and reporting saves considerable time and gets results out faster.
- Raw data format and tabular export for research or advanced analysis.
- Designed, manufactured, and supported by Geocomp’s full-time staff of degreed and experienced professionals.

Standards Compatible

- Full reports of graphs and tables compatible with ASTM, AASHTO, ISO, and BS.
- Quality assured systems to industry standards to ensure the results.
- Labs using our systems are accredited and/or validated by government agencies and other accrediting bodies, including AASHTO, USACE, ASLA, and GAI-LAP.

GEOCOMP PRODUCTS

We design and manufacture automated laboratory testing systems and remote monitoring devices. Our focus on creating premium products and offering expert technical support to help our clients accomplish their goals efficiently and successfully, whether it be in teaching, research, commercial, or other applications. Our automated testing and remote monitoring systems are versatile, easy to use, and robust to work in varying environmental settings.

We serve numerous clients in more than 50 countries with a broad range of testing and monitoring needs. Join our many satisfied customers and make us your trusted source for automated laboratory testing systems and remote monitoring equipment.

www.geocomp.com

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