



AUTOMATED LABORATORY TESTING SYSTEMS FOR SOIL, ROCK, AND GEOSYNTHETIC TESTING



Construction/Infrastructure



Wind/Energy Engineering



Roadways/Pavement



Slope Stability/Embankments



Mine Waste/Tailings



Earthquake Engineering

Consolidation

Incremental Consolidation

and Swell Testing

ASTM D2435, D4546

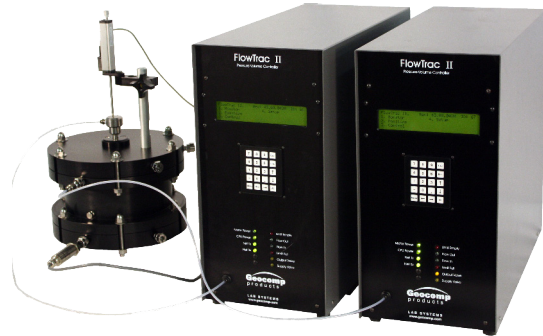
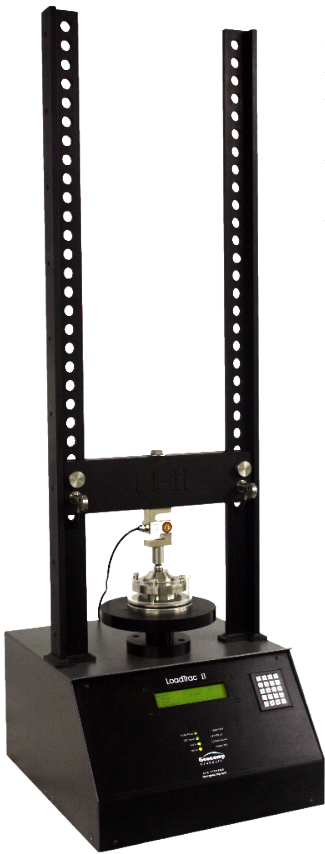
AASHTO T 216

Unconfined Compression

ASTM D2166, AASHTO T 208

California Bearing Ratio (CBR)

ASTM D1883, AASHTO T 193



Rowe Consolidation

Rowe Consolidation

ASTM D2435, D4186

Permeability

ASTM D5084

Constant Rate Consolidation

Constant Rate of Strain Consolidation

ASTM D4186

Incremental Consolidation

and Swell Testing

ASTM D2435, D4546

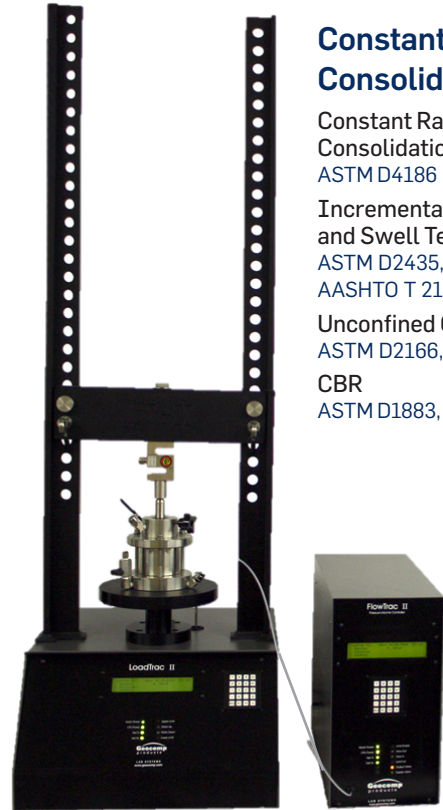
AASHTO T 216

Unconfined Compression

ASTM D2166, AASHTO T 208

CBR

ASTM D1883, AASHTO T 193



Constant Rate Consolidation

Constant Rate of Strain Consolidation

ASTM D4186

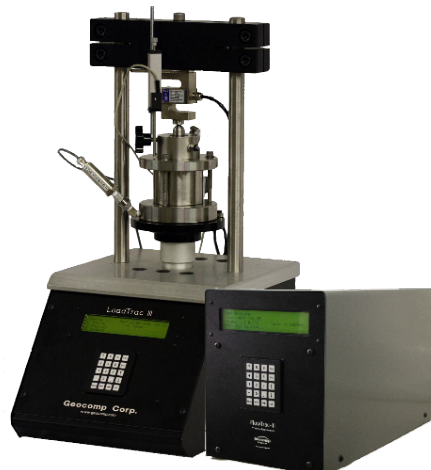
Incremental Consolidation

and Swell Testing

ASTM D2435, D4546, AASHTO T 216

Unconfined Compression

ASTM D2166, AASHTO T 208



Consolidation

Incremental Consolidation and Swell Testing

ASTM D2435, D4546, AASHTO T 216

Unconfined Compression

ASTM D2166, AASHTO T 208

Triaxial

Triaxial

ASTM D2850 (UU), D4767 (CU), D7181 (CD)

AASHTO T 296, T 297

Constant Rate of Strain Consolidation

ASTM D4186

Incremental Consolidation and Swell Testing

ASTM D2435, D4546, AASHTO T 216

Unconfined Compression

ASTM D2166, AASHTO T 208



Triaxial & Stress Path

Triaxial
ASTM D2850 (UU), D4767 (CU), D7181 (CD)
AASHTO T 296, T 297

Constant Rate of Strain
Consolidation
ASTM D4186

Incremental Consolidation
and Swell Testing
ASTM D2435, D4546
AASHTO T 216

CBR
ASTM D1883, AASHTO T 193

Rowe Consolidation
ASTM D2435, D4186

Permeability (need 3 FTIIs)
ASTM D5084



Resistivity Measurement System

ASTM G187, AASHTO T 288



Cyclic Triaxial

Cyclic Triaxial Stress and Strain Control
ASTM D3999, D5311

Post Cyclic Residual Strength
ASTM D4767, D7181, AASHTO T 297

Resilient Modulus
AASHTO T 294, T 307

Triaxial
ASTM D2850 (UU), D4767 (CU), D7181 (CD)
AASHTO T 296, T 297

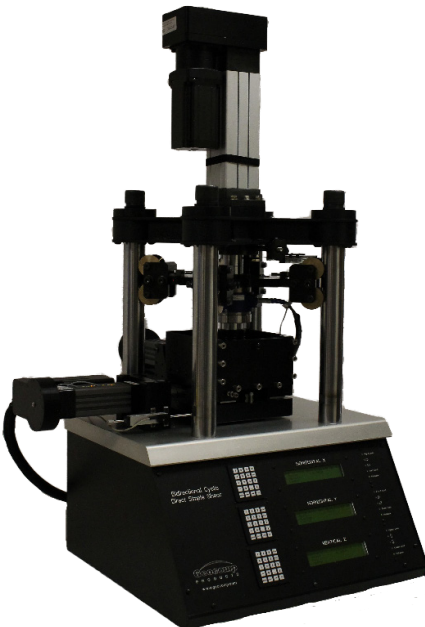
Direct Shear

Direct/Residual Shear
ASTM D3080, AASHTO T 236

Direct Simple Shear
ASTM D6528

Incremental Consolidation
and Swell Testing
ASTM D2435 / D4546
AASHTO T 216

Unconfined Compression
ASTM D2166, AASHTO T 208



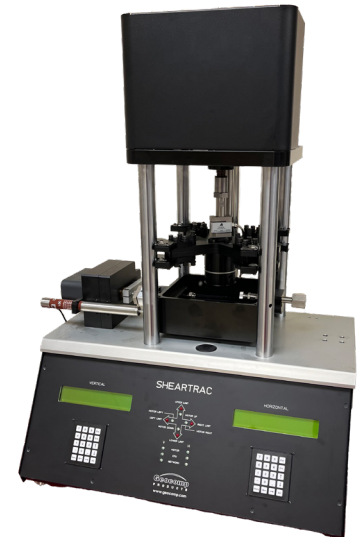
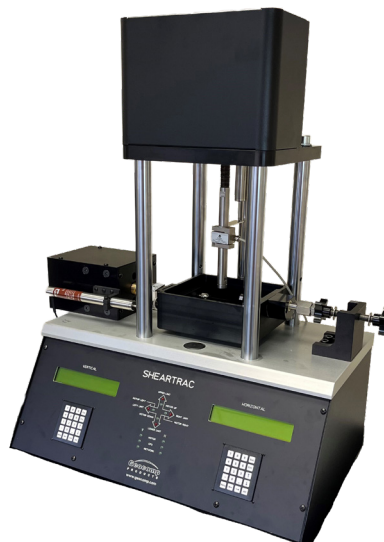
Advanced or Bidirectional Cyclic Direct Simple Shear

Cyclic Direct Simple Shear

ASTM D8296

Direct Simple Shear

ASTM D6528



Standard Cyclic Direct Simple Shear

Cyclic Direct Simple Shear

ASTM D8296

Post Cyclic Residual Strength

Direct Simple Shear

ASTM D6528

Direct/Residual Shear

ASTM D3080, AASHTO T 236

Incremental Consolidation and Swell Testing
ASTM D2435 / D4546, AASHTO T 216

Unconfined Compression

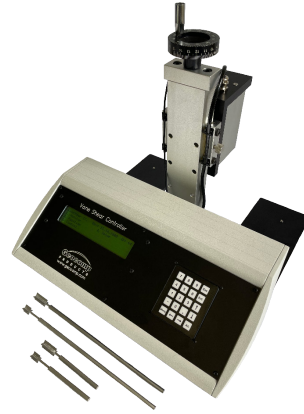
ASTM D2166, AASHTO T 208

Resilient Modulus

Resilient Modulus
AASHTO T 294, T 307
SHRP Protocol P46
NCHRP RPT 285

Incremental Consolidation
and Swell Testing
ASTM D2435, D4546
AASHTO T 216

Unconfined Compression
ASTM D2166, AASHTO T 208
CBR
ASTM D1883, AASHTO T 193



Lab Vane Shear System

ASTM D4648

Resonant Column-Torsional Shear

Resonant Column
ASTM D4015

Post Cyclic Residual Strength
ASTM D4767 / D7181
AASHTO T 297, COE EM 1110



Large Shear

Direct/Residual Shear
ASTM D3080, AASHTO T 236

Interface Shear
ASTM D5321, D6243

Rock Shear
ASTM D5607



Cyclic Large Shear

Cyclic Direct Simple Shear
ASTM D8296

Direct Simple Shear
ASTM D6528

Direct/Residual Shear
ASTM D3080, AASHTO T 236

Interface Shear
ASTM D5321, D6243

P-and-S Wave Measurement

PC-based digital storage oscilloscope (DSO). USB-connected with built-in signal excitation



*Systems also compliant with British, ISO/TS, and other international standards

Automated Geotechnical Laboratory Testing Systems

Geocomp's Products Division has delivered fully automated geotechnical testing systems for more than 40 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 Geocomp Products Offer

- Built in safety features
- Smart and sophisticated technologies to simplify testing
- Repeatable, reliable, and accurate results you can trust
- Real-time and remote test parameter changes for quality control
- Convenient reporting and data export
- Faster, smarter, better: designed with full automation and manual control options
- Easy upgrade to perform additional test types
- Designed and manufactured in the USA

Benefits of Buying from Geocomp

We Are Your Trusted Partner

- Geotechnical testing & consulting experts on staff
- Highly skilled and experienced technical support team
- Client portal with access 24 hours a day, 7 days a week
- Regional support around the globe
- Excellent customer satisfaction policies
- Clients in over 60 countries, including top-rated companies and universities

Collaboration and Innovation

- Laboratory design and setup support
- Advanced, affordable equipment to support a range of client needs
- R&D support for customized solutions
- Continuous product enhancements driven by client feedback
- Designed and testing in real-world environment (GeoTesting Express, LLC)

Compliant with Modern Standards

- Application and reporting compliant with modern standards such as ASTM, AASHTO, ISO, BS and other international standards
- Quality assured systems to industry standards so you can rely on the results
- Labs using our systems are accredited and/or validated by government agencies and other accrediting bodies, globally



Test Smart. Test with Confidence. Test for Success.

"I thoroughly researched the available market for triaxial and simple shear test equipment and I soon realized that Geocomp is far ahead of the competitors in terms of product and capabilities...I have also been impressed with their technical support and continued assistance."

- California State University, Los Angeles

"Thanks to Geocomp and its support team, we are recognized today for the quality of our services and for carrying out the most advanced tests in soil with great speed and efficiency."

- Pátrrol Investigações Geotécnicas

"What really sets Geocomp apart from other geotechnical laboratory equipment suppliers, is the fast and knowledgeable technical support. It's exceedingly easy to get a hold of knowledgeable personnel who have a firm grasp of the equipment, the test procedures and challenges with various soil types and test conditions."

-Soil Engineering Testing

The equipment is highly versatile and reasonably priced which often is a key factor considering budget restrictions at public universities.

- University of Nevada Reno

"I would not hesitate to recommend Geocomp to other universities, governmental agencies and consulting firms for their geotechnical testing needs. Their equipment is highly reliable, simple to use and competitively priced...We have particularly found their technical assistance invaluable."

- University of New Hampshire

GEOCOMP PRODUCTS

We design and manufacture automated laboratory testing systems and remote monitoring devices. We 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 60 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.