

## Testing Capabilities

- Interface frictional properties of soil & geosynthetics
- Internal friction of GC
- Direct shear on soil and aggregates
- 1-D incremental consolidation up to 32 steps
- Constant volume swell
- Constant stress swell (free swell)
- Constant displacement rate control shear
- Constant load control rate shear
- Direct shear up to 32 independent steps
- Capability to upgrade to DSS testing



## *Technical Specifications*

- Fully automated
- Stand alone capability for manual control and data acquisition
- Up to 44.5 kN (10,000 lbs.) load capacity
- High precision micro-stepper motors for both vertical and horizontal load and displacement applications
- Two (2) built-in displacement transducers +/- 90 mm (+/-3.5 in.) horizontal and 90 mm (3.5 in.) vertical with 0.002 mm (0.00008 in.) resolution
- Built-in electronic controls for automatic display of data and control of test; accurate displacement rate control from 0.00003 to 7.5 mm per minute (0.000001 to 0.3 in. per minute)
- Geo-NET™ compatibility for network accessibility and control
- Does not require dead weights or compressed air