

Testing Capabilities

- Interface frictional properties of soil & geosynthetics
- Internal friction of GC
- Direct shear on soil and aggregates
- Rock shear
- 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 testing & reporting
- Stand alone capability for manual control and data acquisition if desired
- Up to 160 kN (35,000 lbs) vertical and 115 kN (25,000 lbs) horizontal load capacity models available
- Geo-NET compatibility for remote network accessibility and control during tests
- High precision micro-stepper motors for both vertical and horizontal load and displacement applications
- Built-in displacement transducers:
 - +/- 45 mm (+/- 1.75 in.) horizontal and +/- 45 mm (+/- 1.75 in.) vertical travel with 0.002 mm (0.00008 in.) resolution
- Accurate displacement rate control from 0.00003 to 7.5 mm per minute (0.000001 to 0.3 in. per minute)
- Does not require dead weights or compressed air