Consolidate isotropically with or without initial shear stress

Run drained and undrained (constant load/volume with active or passive volume control) tests

Post cyclic drained/undrained loading

Unmatched automation from test start to finish - 2 to 32 times faster results and labor time savings of 30% to 95% vs. manual testing

Flexible design - perform additional testing on the same platform and save money and space in your lab

Full test control and remote monitoring allows 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

Applicable Test Standards

- ASTM D6528, D2435, D8269
LOAD CAPACITY
Horizontal load capacity up to 2.25 kN (0.5 klbf)
Vertical load capacity up to 9 kN (2 klbf)

VERTICAL/HORIZONTAL MOTORS
Micro-stepper (V) and servo (H) motor systems with built-in controls

CONTROL
- Stress (load)
- Strain (displacement)

TYPE OF CYCLIC LOADING
Cyclic stress/strain controlled sinusoidal and irregular user defined waveform

CYCLIC RATE
Up to 5 Hz; Typical test range 0.033 to 2 Hz

VERTICAL TRAVEL
25.4 mm (1.00 in)

HORIZONTAL TRAVEL
+/- 12.5 mm (+/- 0.50 in)

POWER
208/240 V, 50/60 Hz, 1 phase

INCLUDED
- Geo-NET network card and cable to link to PC
- CYCLIC DSS software module to automatically run and report tests

ACCESSORIES
- Top & bottom cap, bronze sintered porous stones with pins, teflon coated stack of rings, base plate - 50 mm (2.0 in) or 63.5 mm (2.5 in) kits

WARRANTY
- 12 month warranty; extended warranties available

User-Friendly Interface

Typical Test Output (example)