

Rock Mechanics System (RMS-101)



SPECIFICATIONS

- 500 kN (110 kip) load capacity
- 100 mm. stroke
- Mobile table with integrated hydraulic power unit and servo-controller / data acquisition unit.
- Available accessories to perform unconfined compression, indirect tension (Brazilian), or triaxial tests.

DESCRIPTION

The GCTS RMS-101 Rock Mechanics System is an all-in-one system for performing a variety of material characterization tests on rock specimens. The 500 kN capacity load frame is ideal for performing unconfined compression tests while utilizing on-specimen strain measurement devices.

The RMS-101 can also be fit with accessories to perform indirect tension (Brazilian) tests, ultrasonic velocity measurements, or acoustic emission sensors. It can also fit the GCTS HTRX-010 Triaxial Cell to perform triaxial tests.

This system is mounted to a mobile table and includes an integrated hydraulic power unit and our SCON-1400 Servo Controller and Data Acquisition System. It also includes our software package, which gives the user complete control to program any test they want to perform.