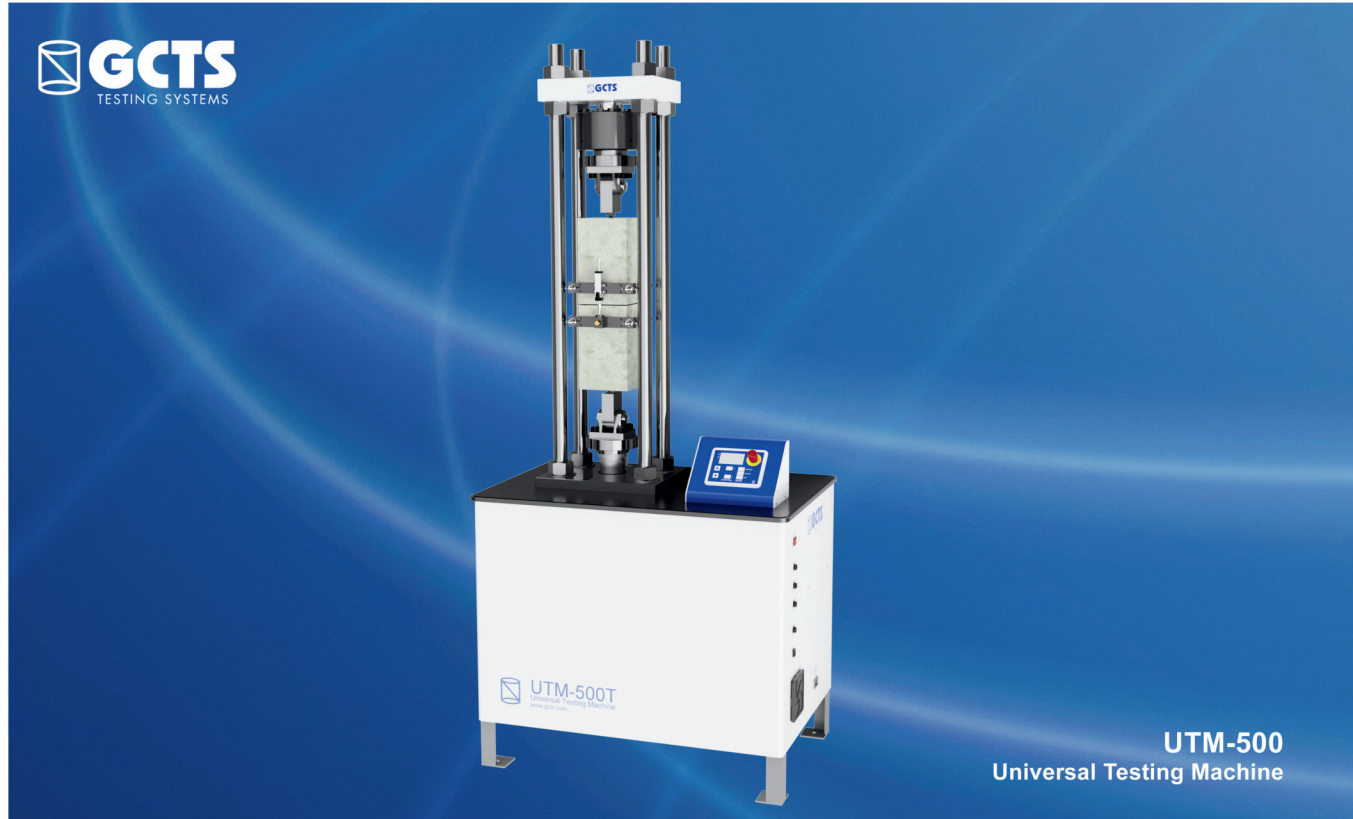


Universal Testing Machine (UTM-500)



UTM-500
Universal Testing Machine

SPECIFICATIONS

- Precise closed loop control
- 500 kN axial compression load capacity
- 50 mm stroke
- Eight (8) AD channels with input range from +/- 2.4 mV to +/- 20V
- Accommodates strain gages, load cells, pressure transducers, etc.
- 24-bit resolution
- Simultaneous sampling rate of up to 1 kHz
- User-friendly cost-effective solution

DESCRIPTION

The GCTS UTM-500 is a servo-hydraulic load frame with exceptional control and accuracy designed for precise testing. Four-column vertical standing assembly and threaded columns for cross head adjustment. Servo control with closed-loop feedback from any of the eight (8) input channels or real-time calculated function. The UTM load frames can accommodate a large range of test fixtures. GCTS offers a vast library of apps for specific test standards or customized procedures to meet your unique testing needs.

The UTM-500 is a servo-controlled 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 UTM-500 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 Triaxial Cell or a Hoek Cell to perform triaxial tests.