

Triaxial Rock Testing System (RTX-1500)



- Direct closed-loop digital servo control of axial stress, average principle stress, axial strain, radial strain, and several other calculated triaxial variables
- Standard 1,500 kN Load capacity and 1,750 kN/mm stiffness.
- GCTS High Pressure Triaxial cell with internal instrumentation to measure local axial & radial strains
- 140 MPa servo-controlled pressure intensifier system for cell and pore pressure.
- Available options: axial & circumferential deformation measurement system, platens with ultrasonic transducers, and high temperature control subsystem.
- Ideal for performing unconfined compression, triaxial, bending, indirect tension, fracture, creep, post failure behavior, & other compression tests
- Optional automatic hydraulic lift for triaxial cell and roller assembly for fast & easy specimen setup
- Economical "turn-key" systems built to customer specifications with load capacity up to 4,500 kN, confining pressure to 270 MPa, and frame stiffness up to 4,000 kN/mm

DESCRIPTION

GCTS Triaxial Rock Testing Systems are manufactured according to your design specifications (load capacity and system stiffness, sample size, confining and pore pressures, internal instrumentation, temperature testing, and ultrasonic velocity measurements). The top cross head height can be adjusted to accommodate a wide variety of test specimens and triaxial cells. The RTR-1500 meets the specifications of the International Society for Rock Mechanics (ISRM) for triaxial testing of rock samples.

The system is capable of performing static and dynamic closed-loop strain or stress controlled as well as post failure behavior tests. Included with this system is our true 32-bit Windows XP Software. It allows sending directly your test data to any computer connected to your local network. Our new software includes a database system to keep track of all the data generated at your lab with any of our testing systems. Using a Windows network system in your lab facilitates the transferring of your test data directly into other Windows programs such as Word or Excel for report generation as well as to easily backup your important test results

SPECIFICATIONS

Contact GCTS.

SHIPPING

Weight	3,200 kg
Volume	7.2 m