

**Product Name :**  
Static Cum Dynamic Rock Triaxial Testing System

**Product Code :**  
CHINAELABC2750024



**Description :**

Static Cum Dynamic Rock Triaxial Testing System

**Technical Specification :**

Conforming to Testing Procedures laid down in IS/ASTM for testing of rock specimens  
Suitable to conduct Triaxial Test, Unconfined, Indirect Tensile, Creep Tests and normal Compression Tests on Rock specimen up to NX size in both Cyclic (Frequency Range-0.01Hz-10Hz) and Routine Static testing  
Based on mechanism Fully Automated controlled Axial Loading in Load/Stress and Displacement basis in both Cyclic and Static Testing with User friendly Software  
Stable, robust Loading Unit (Capacity up to 4000kN) that can accommodate Triaxial cell up to Nx Size specimen  
Digitally controlled High Pressure Controller (Pressure Ranges 0.5- 100 MPa) based on Closed loop principle to maintain Cell pressure  
High Pressure Triaxial Cell to accommodate Sample size range from Ex to Nx with L:D ratio 1:2 (With maximum pressure up to 100MPa)  
High speed measurement and data acquisition through advanced electronics  
Facility to study Post failure behaviors of specimens• Programmable Sample Parameters and machine controlling parameter  
Auto release facility after specimen failure  
Online Plotting of Graphs (Load v/s Displacement, Load v/s Time, Displacement v/s Time) with display of data  
Supported by highly Advanced User friendly Application software for conducting tests and for analysis of test results  
Safety Limits Over Load & Over Displacement

The complete system comprises of followings:-  
Stiff Frame

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Hydraulic Power Pack  
Digital High Pressure Controller  
High Pressure Triaxial Cell  
PC based Control system and Control Software



**Engineering Lab China**