

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

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



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