

Triaxial Cell 6 Gpa 1500°C TRI-X 6/1500 SD by



To continue the development of its range of triaxial press, ST has designed a press for solid deformation study working under high pressure and high temperature. The sample already preinstalled in a vessel is loaded in the center of the press. A unique jack gathers together three concentric pistons applying three different pressures: prestressed pressure, confining pressure and axial deformation pressure. A cooling bath allows the press to work at different range of temperature.

This system can manage following experimentations with dedicated items:

- Axial Ø/L Deformation Measurement through LVDT Sensors
- Axial Force Measurement
- Resistivity Measurement (optional)
- Acoustic Measurement (optional)

Specifications	
Working pressure	6 Gpa
Temperature range	Ambient to 1500°C
Independent axial stress	Until 1000 Mpa
Radial stress	6 Gpa
Sample diameter	Upon customer request
Sample length	Sample Ø x 2