

# ROCK TRIAXIAL TESTING SYSTEM

HIGH PRESSURE-HIGH TEMPERATURE



DESIGN FLEXIBILITY

The modular rock triaxial test system can be configured with a variety of hydraulic cylinders, power packs, different jigs and attachments in order to perform uniaxial compressive strength, triaxial strength, post failure, bending, indirect tensile, direct tensile, fracture toughness, permeability, hydrofracturing and creep tests for rock testing systems.

The systems are able to test a range of materials from soft rock (e.g. sandstone) to hard rock for different applications in rock mechanics research e.g. Exploration and production of fossil fuels, Mining and construction, Tunneling and Geothermal energy development.



## GENERAL TECHNICAL SPECIFICATIONS

Axial Load	Up to 5000 kN
Confining pressure	Up to 210 MPa
Pore pressure	Up to 210 MPa
Operation temperature	Up to 270 °C
Sample size(diameter)	Ø 25 up to 100 mm
Frame stiffness	Up to $>10 \times 10^9$ N/m

All above technical specifications can be customised on request.