

"SYNCHRO CT" TRIAXIAL TESTING SYSTEM

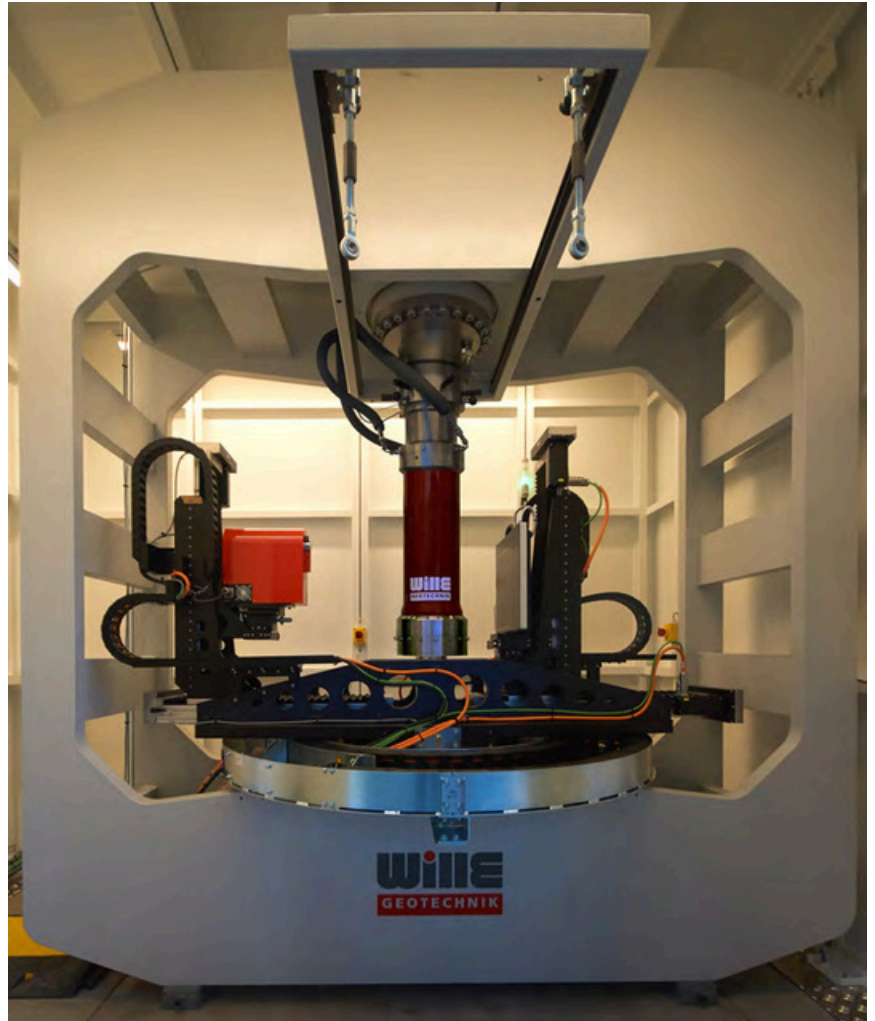
SIMULTANEOUS REAL-TIME CT TRIAXIAL TEST SYSTEM

X-ray transparent triaxial cell for low and high pressure tests

Sample's porosity, crystallization and dissolution, exchange of pore fluids, pre- and post-failure geometry, or even crack propagation can be now monitored in situ during testing, and also in a time-resolved manner.

Real time visualization of deformation of sample (consolidation, shear) and flow process (saturation, permeability) during test Two phase fluid flow (gas and liquid).

High potential for upgrades (visualization systems e.g. μ -CT, AE, ERT, custom made test jigs and environmental chambers etc.)



GENERAL TECHNICAL SPECIFICATIONS

Static axial load	Up to 5000 kN
Confining pressure	Up to 200 MPa
Pore media	Water, Salty water, CO2
Sample size	25 mm to 150 mm
Testing temperature	-20°C up to +200°C