



DESIGN DEPT. | MANUFACTURING | SPECIAL PURPOSE MACHINES
 METROLOGY | MAINTENANCE | INDUSTRIAL FACILITIES

SPECIALISTS IN HIGH PRESSURE | HIGH TEMPERATURE | PROCESS INSTRUMENTATION

Combined skills to provide a complete range of solutions

TRIAXIAL TESTING EQUIPMENT FOR ROCKS AND CEMENTS



DESCRIPTION

- › Automated test equipment to determine a wide range of geomechanical properties in both triaxial and uniaxial stresses.
- › Axial Self-balanced hydraulic actuator, connected to a High-Pressure pump.
- › Complex triaxial tests can be achieved by programming the test path by unit sequences, associated with control parameters based on pressure, displacement or stress, or any other real time measured or calculated parameter.
- › Windows™ based control and acquisition software to record, display, graphically represent and/or control all available parameters.



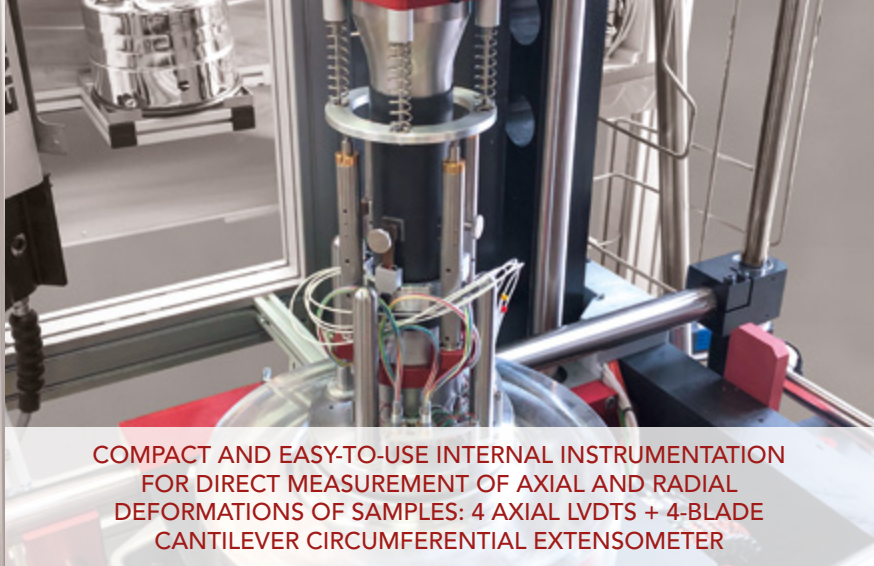
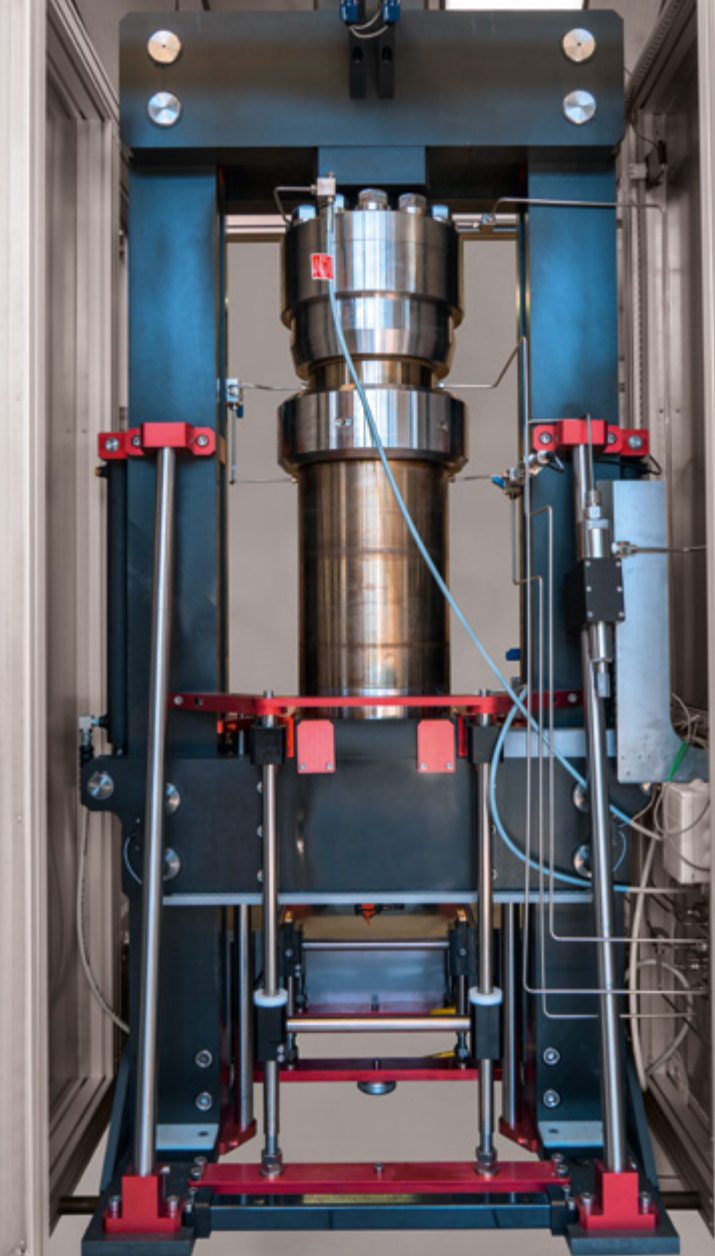
**ENHANCED
SIMPLICITY** DUE TO
THE INTEGRATION OF
PRACTICAL TOOLS AND
OPTIMIZED ERGONOMICS
ALLOWING TESTING TO BE
PERFORMED ON SAMPLES
IN A **TIMELY** AND
ACCURATE MANNER

ACEI Services - 17 rue du Pont Long - ZI Berlanne - F 64160 MORLAÀS - France

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COMPACT AND EASY-TO-USE INTERNAL INSTRUMENTATION FOR DIRECT MEASUREMENT OF AXIAL AND RADIAL DEFORMATIONS OF SAMPLES: 4 AXIAL LVDTs + 4-BLADE CANTILEVER CIRCUMFERENTIAL EXTENSOMETER

SPÉCIFICATIONS TECHNIQUES

- Axial load : 800 / 1,200 / 2,000 kN
- Piston stroke : 50 mm
- Cell pressure capacity : 8,700 / 15,000 / 22,000 psi (600 / 1,000 / 1,500 bars)
- Temperature : ambient to 150°C
- Material : Stainless steel or Hastelloy® wetted parts
- Multisealed feedthrough or 50 Ohms coaxial electrical lines

OPTIONS DISPONIBLES

- › Specimen diameter: up to 100 mm
- › P&S Ultrasonic Wave Propagation Velocity Measurement
- › In-vessel load cell
- › Gas Permeability / Porosity Measurement
- › High temperature

OUR TEAMS ARE AVAILABLE AND READY TO MEET ANY SPECIFIC DEMAND IN TERMS OF SAMPLE SIZE, AXIAL LOADING, ETC. CONTACT US.

ACEI IS AN EXPERT IN THE DESIGN OF VERSATILE AND INNOVATIVE TRIAXIAL TEST EQUIPMENT.

The integrated dynamic actuators and high-precision sensors are controlled by advanced dedicated proprietary software.



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