



## Generalities

Ground test relies on the idea first that behaviour of the mass of the ground can be, with necessary conditions, predicted in the way that some peculiar qualities can be determined.

Tests of the ground, well conducted, constitute a sure base of knowledge to permit theirs exploitations with the best conditions.

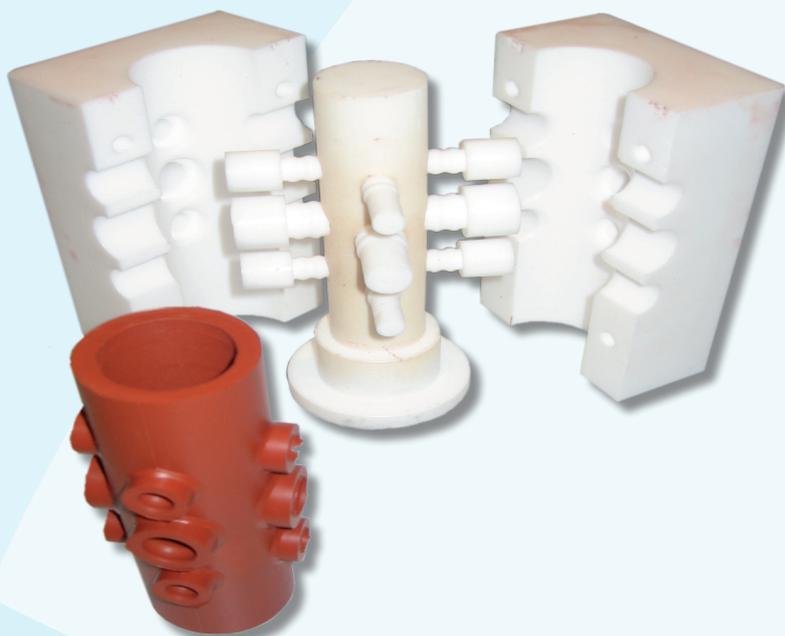
This cell has been realized to determine bearing capacity of the ground and its land subsistence when this one is under triaxial strength, by executing measures linked by the product saturation contained. This enable the specimen, under test, to submit pressure conditions simulating the ones existing in the mass of the ground.

The rocks samples properties are determined by laboratory test.



**TRXC 1000-200**

- Permeability measurement
- Pore volume measurement
- Resistivity measurement
- Acoustic resistance
- Axial/ radial independent load
- Deformation  $\Delta L/L$ ,  $\Delta \varnothing/\varnothing$



# Triaxial Cell TRXC 1000 - 200



Petrophysic

## Specifications

This triaxial cell enables permeability, sound velocity, resistivity and rock samples deformations measurements. These states changes are detected by ultrasonic sensors, strength gauges, pressure sensors and deformation measurement.

A piston displays an axial strength on samples. This one is located inside a seal box on which a variable confining pressure is made.

The load-variation is made hydraulically by volumetric pumps.

To make the handling easier, 2 hydropneumatic jacks enable opening of pressure chamber.

## Features

- Working pressure.....1000 bar
- Temperature range.....ambient to 200°C
- Independent axial loading.....until 6800 bar
- Sample diameter.....1", 1 1/2", 40 mm
- Sample length.....50 to 85 mm
- Oscillation radial/axial stress.....until 2 Hz



## Our services

- Equipment delivered calibrated and ready to operate
- Starting-up realized by our cares
- Automation by macro procedure (supervision FALCON® software)
- Maintenance contract
- Intervention within 2 to 5 days, according to the country
- Immediate assistance by phone or by e-mail

