



Conventional and unsaturated triaxial testing system

Wille Geotechnik®
first choice in manufacturing high quality
material testing equipment for
research and practice

Field of application

- Geotechnical equipment for field and laboratory testing in civil engineering, in particular for advanced soil mechanic testing
- Static and dynamic material testing machines for soil, rock, aggregates and bituminous materials
- Testing equipment for geosynthetics
- Customized solutions for all applications
- Upgrading and modernisation of existing testing devices



Digital and automatic permeability testing system

Wille Geotechnik® is an exclusive brand of the APS Antriebs-, Prüf- und Steuertechnik GmbH Germany. APS ensures that even the most "state of the art" developments are transformed into user friendly products of the highest quality. APS is known for delivering advanced technological solutions and products of renowned quality.

Advanced soil analyser (ASA Systems)



Consolidation test system



Direct residual shear test



Simple shear test



Uniaxial compression test



Triaxial test



Large direct shear testing system



Advanced rock triaxial testing system



Abrasive test machine (LCPC)



Back pressure simple shear system

Selection of our product range

- All kinds of shear apparatus (direct, ring, vane tester, simple, triaxial, hollow cylinder)
- Triaxial cells and triaxial testing devices with static, cyclic and dynamic loading (isotropic and anisotropic) for saturated and unsaturated conditions
- Special local transducers, i.e. bender element systems, submersible load cells, local axial and radial strain transducer, local pore water pressure and local pore air pressure transducer
- Static or dynamic electromechanical and servo-hydraulic material testing systems with temperature control, high pressure vessels
- Servo-hydraulic load systems for advanced triaxial and uniaxial rock testing with load ranges up to 10,000 kN
- Compression testing machines with continuous and incremental loading (e.g. oedometer tester and unconfined compression tester)
- Combined swelling and CBR test device (Ö-Norm B 4810, 11/12; SN 670321a; TP BF-StB B 7.1)
- CBR and compaction devices (e.g. proctor apparatus)
- Permeability test equipment (uniaxial, triaxial)
- General laboratory equipment
- Field equipment, e.g. point load tester, penetrometer, field vane tester, plate bearing test apparatus, sampling equipment

Development of integrated closed-loop systems and software modules

- Digital transducers and data loggers for high resolution and precise measuring
- Intelligent software modules for complex testing procedures and analyses
- Integrated controlling, data acquisition and evaluation software



WILE[®]
GEOTECHNIK

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