

Compact Automatic Triaxial Testing System

Applicable Standards: BS1377-7 & 8, ASTM D2166/D2166M-13, D2850-03A & D4767-11, AS1289.6.4.1 & 2 and GEOSPEC 3

The VJ Tech Compact Triaxial Testing System is capable of providing fully automatic total and effective Triaxial testing including Quick Undrained, Consolidated Drained (CD), Consolidated Undrained (CU), Unconsolidated Undrained (UU) and Stress Path tests for smaller sample sizes.

The basic system incorporates an Advanced TriSCAN Load Frame with inbuilt data logging, a Triaxial Cell, a Dual Automatic Pressure Controller for Cell and Back pressure (up to 1000 kPa per channel), all necessary Transducers and an Automatic Solenoid Valve to control the Back Pressure valve so that no operator intervention is necessary. There are multiple variations in the configuration of this basic system according to your requirements.

There is also the advantage of wireless control of the Dual Automatic Pressure Controller from an optional 7" touchscreen display. The purpose built mobile support stand accommodates both the required instruments and enables the system to be wheeled around the laboratory.

The user friendly Clisp Studio software provides all the necessary test configuration, control, data acquisition and results export. The software can also control multiple testing stations automatically and simultaneously control up to three other sample saturations and consolidations on each if required.

System Variants (Product Nos. on Request)

Load Frame Capacity	10 kN
Dual APC Pressure	1000 kPa per channel
Triaxial Cell Size	50 mm
Sample Sizes	35, 38 or 50 mm
Load Cell Capacity	2.5, 5 or 10 kN
Disp. Transducers	10 or 25 mm
Distribution Panels	2, 4, 6 or 8-way



VJT9005 - Compact Automatic Triaxial Testing System

Ordering Information (for System illustrated)

VJT9005	Compact Triaxial Testing System
VJT5135	TriSCAN 10 kN Advanced Load Frame
VJT2267	Dual Automatic Pressure Controller (1000 kPa per channel)
VJT0549	Triaxial Cell (50 mm)
VJT0271	LSCT Displacement Transducer (25 mm)
VJTS0362	10 kN S-Beam Load Cell with cable & plug
VJT0250	10 bar Pressure transducer with cable & plug
VJT0280	De-airing block with valve for pressure transducer
VJT0280-SOL	Automatic Solenoid Valve
VJT-USB-RS232	USB-Dual RS232 Converter Interface
VJT2571-T	Table for Compact Triaxial System
VJT0540-DP	APC Water Distribution Panel (4-way)
VJT-csTRIAX	Clisp Studio Triaxial Software