

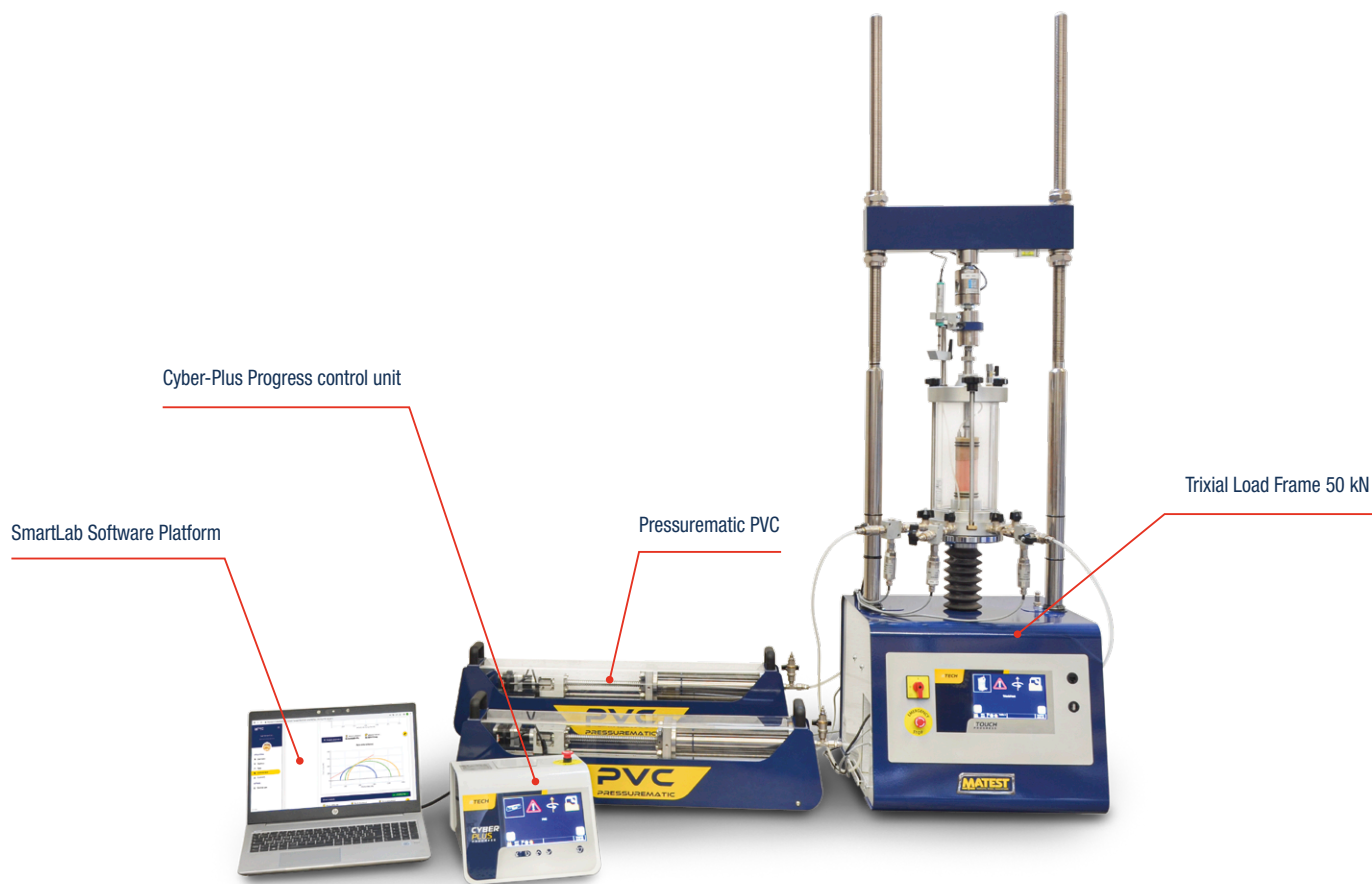


TRIAXIAL SYSTEM
ELECTROMECHANICAL LOAD FRAME, PRESSUREMATIC PVC,
CYBER-PLUS PROGRESS, SMARTLAB

STANDARDS: ASTM D2850-23, D4767-11, D7181-20, D7181-11 | ISO 17892-8, 17892-9
 NF P94-070, P94-074 | BS 1377:8

The Matest triaxial system is the ideal solution for triaxial tests such as CD, CU, UU and permeability. It is equipped with an electromechanical compression frame with integrated data acquisition and a stand-alone pressure system, making the unit compact and without the need for compressed air for any of the components. The acquisition units are connected to the SmartLab software, from which it is possible to manage and monitor the test at any time.

The triaxial system is very versatile and modular. It is designed for multiple triaxial tests, to perform saturation and consolidation simultaneously, using a single computer on which SmartLab is installed. The numerous configurations make it possible to meet every need.



MAIN FEATURES

- **FLEXIBLE**
Developed for multiple triaxial tests.
- **VERSATILE**
Designed for both routine and research tests.
- **INTERACTIVE**
SmartLab allows remote monitoring of the test.
- **INNOVATIVE**
Based on Cyber-Plus Progress and SmartLab.
- **SUSTAINABLE**
Multiple triaxial tests without the need for compressed air.

TECHNICAL SPECIFICATIONS

- **LOAD FRAME – S301M**
Max capacity: 50 kN
Speed test: from 0.00001 a 12 mm/min
Distance between columns: 380 mm
- **PVC – S349A-01**
Output pressure: up to 3500 kPa
Max volume: 250cc
Pressure accuracy: $\pm 0,1 \%$
- **CYBER-PLUS PROGRESS – S334N**
Display: LCD, TFT, 800X480 pixels, 7" touch-screen
Channels: 8 or 16 inputs
Ports: Ethernet, RS485, 2 USB, MicroSD

SMARTLAB

SmartLab is a revolutionary software that interfaces the triaxial system with laboratory management systems and regulates the triaxial test, as well as the other geotechnical tests, from data acquisition to advanced and customizable data processing and to the creation of test reports.

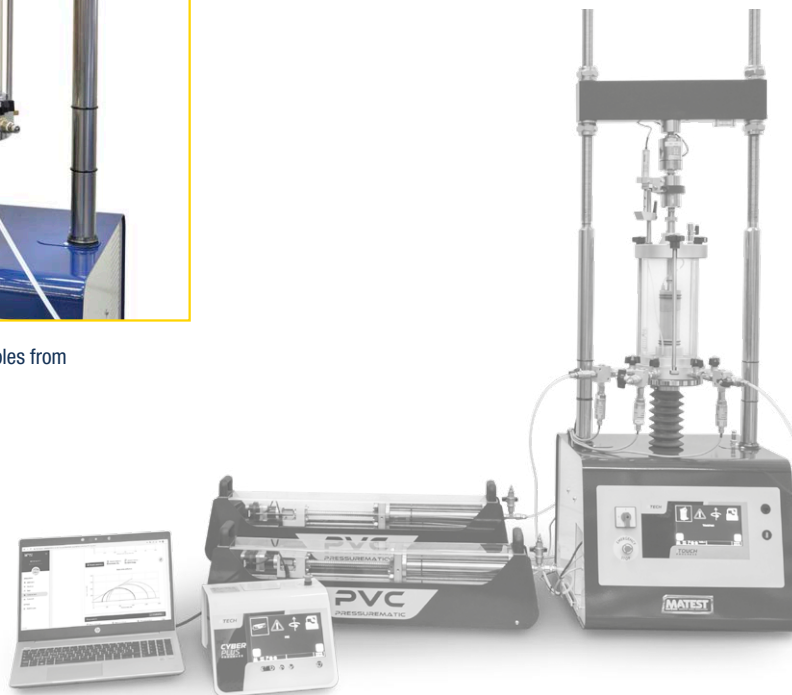
DETAILS MAKE THE DIFFERENCE



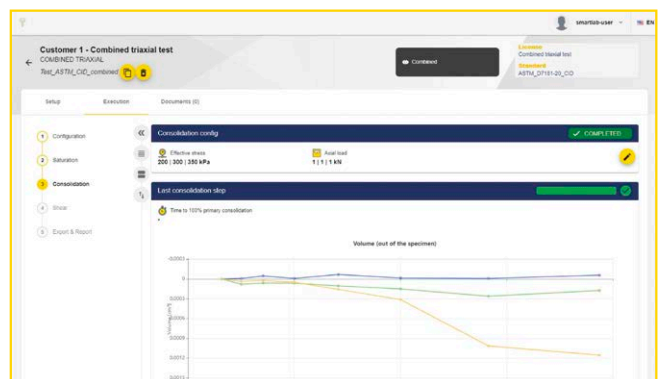
Triaxial cells to accommodate samples from 38 mm to 150 mm.



PVC for pressure control and measurement.



Cyber-Plus Progress for processing and data analysis.



SmartLab allows remote monitoring of the test.