

Automatic Triaxial Machine for Soil Testing

KASONTTEST®



Introduction:

The strain-controlled triaxial apparatus is used to determine the strength and deformation properties of soil samples under axial static load. It can perform triaxial tests in unconsolidated undrained shear (UU), consolidated undrained shear (CU), and consolidated drained shear (CD). This apparatus offers high confining pressure, a compact design, and simple operation. It does not require an air compressor or nitrogen cylinder, making it suitable for testing large-scale soil construction projects such as high-rise buildings and dams.

Main technical parameters

1. Specimen Dimensions: $\Phi 39.1\text{mm} \times 80\text{mm}$, $\Phi 61.8\text{mm} \times 125\text{mm}$
2. Load: Maximum load 30kN
3. Worktable Travel: 0-90mm
4. Shear Rate: 0.001-4.800mm/min

5. Ambient Pressure: 0-2.000MPa
6. Back Pressure: 0-1.000MPa
7. Pore Pressure: 0-2.000MPa
8. Volume Change: 0-50ml, Minimum Graduation: 0.1ml
9. Power Supply: 220V \pm 10%, 50Hz
10. Power: Less than 800W

Note: a) Shear rate is steplessly adjustable throughout the entire range, and the high-resolution, full-color LCD displays speed and motor status in real time. b) Confining pressure, back pressure, and pore pressure (hereinafter referred to as pore pressure) are measured with an accuracy of up to 0.001MPa, displayed in real time on the large, full-touch screen! The surrounding pressure and back pressure can be automatically controlled, and the control accuracy can be adjusted up to 0.001Mpa

FOCUS IN MATERIAL TEST

KASONTTEST®

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