

Soil Mechanics Lab



Triaxial Test Equipment

Provides automated triaxial compression tests on cylindrical undisturbed and remolded soil samples.



Direct Shear Test

Measures the shear strength properties of soils.



Consolidation Test

Simulates the rate and magnitude of soil consolidation when the soil is restrained laterally and loaded axially.



Unconfined Compression Test

Measures the unconfined compressive strength of cohesive soil.



Laboratory Vane Test

Measures the shear strength of cohesive soils and is particularly useful for soils with low shear strength.



Permeability Test

Involves the flow of water through a soil sample to assess the drainage characteristics.



Liquid Limit Test

Determines the liquid limit of a soil specimen.



Set of Sieves and Shaker

Determines the particle size distribution of a soil.