



**Soil, Asphalt, and Concrete
Test Equipment**

SSI offers products to meet all your soil, asphalt, & concrete testing needs. All of our products conform to various ASTM and AASHTO specifications.

Kneading Compactor

The Kneading Compactor (model CS1000) is designed with adequate flexibility to meet various specialized requirements for the controlled compaction of soils or bituminous specimens in cylindrical or rectangular shapes.

This electronic, hydraulic kneading Compactor conforms with AASHTO T190, ASTM 1561, and California DOT Test Method 301 & 304 specifications.



Standard Press

The Standard Press (model CS4100) is a versatile, fully-automated, single axis, closed loop hydraulic testing system specifically designed to perform tests on various specimens over a wide range of stresses and frequencies. The system has sufficient flexibility to perform in a variety of environments: university research, special tests, and standard tests required by state DOTs and other government agencies. The design ensures the easiest possible interface with the operating technician.

This system complies with the Stabilometer Resistance Test, California Test Method 301, Stabilometer Value Test, and the Exudation phase of California Test Method 366.



Rolling Thin Film Oven

The Rolling Thin Film Oven (model CS325-B) is designed for the specific requirements in the State of California method 346, AASHTO T240, and ASTM D2872.

The Rolling Thin Film Oven test is used to measure the effect of heat and air on a moving film of semi-solid asphaltic materials. The results of this treatment are determined from measurements of the asphalt properties before and after the test.



**For more information on these or any other of SSI's products, please visit our web site:
www.smoothroad.com**



Axial Testing System

The Axial Testing System (model CS4130) is a versatile, fully automated, single axis, closed-loop hydraulic testing system specifically designed to perform tests on soils and asphalt concrete mixtures over a wide range of stresses and frequencies. The equipment has sufficient flexibility to perform in a variety of environments: university research, special tests, or standard tests as required by state DOT's and other government agencies. The design ensures the easiest possible interface with the operating technician. The system will perform the tests and collect the data with a minimum of user input and knowledge. The testing system will perform a number of valuable tests.



LVDT Calibration Device

The LVDT Calibration Device (model CS7020), a highly accurate, portable device, is required to frequently verify the combined accuracy of each signal conditioning module and its accompanying LVDT for compliance with FHWA (SHRP) testing procedures.



UCB Shear Testing System

The UCB Shear Testing System (model CS7400) is a versatile, fully automated, dual axis, closed-loop hydraulic testing system specifically designed to perform tests on asphalt concrete mixtures over a wide range of stress and frequencies. The equipment has the flexibility to perform a variety of special and standard SHRP tests. The design ensures the easiest possible interface with the operating technician. The system software features test templates, which will automatically perform the following SHRP tests:

- Repetitive simple shear
- Frequency sweep test at constant height
- Simple shear test at constant height
- Repeated shear test at constant stress ratio

The testing system performs the test with a minimum of user input and knowledge.

For more information or to order, contact SSI:

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