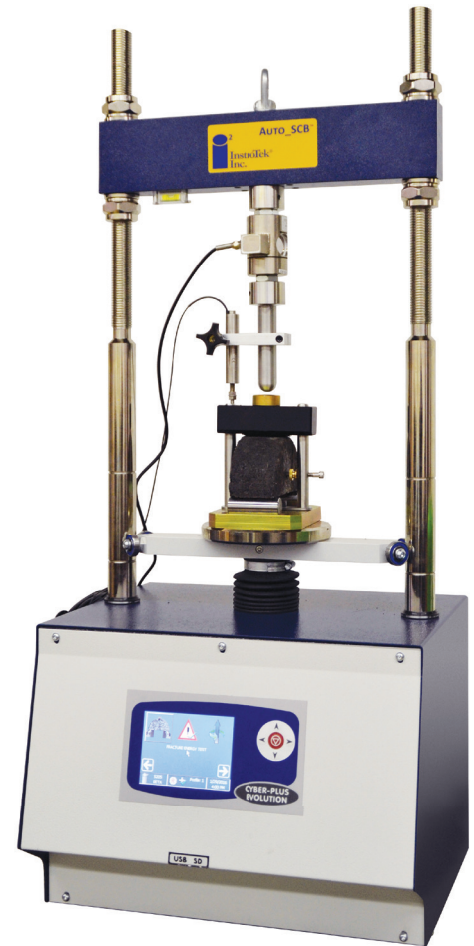


FAST AND SIMPLE WAY TO PERFORM YOUR SCB TESTS

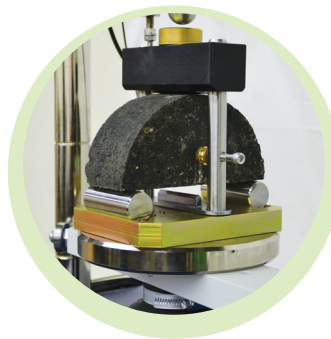
Auto_SCB, from InstroTek®, is an accurate and cost-effective device for conducting mechanical testing of asphalt mixtures. Auto_SCB can run various versions of Semi-Circular Bend (SCB) test, helping pavement designers and maintenance practitioners predict the cracking potential, performance and ductility of asphalt mixtures. Auto_SCB provides a wide range of capabilities at a fraction of the cost of servo-hydraulic systems, which have been traditionally used for cracking and monotonic tests.

The highly versatile and automatic Auto_SCB is capable of running several other performance tests with user-friendly programming features. The touch screen display along with the easy-to-use and intuitive controls allow for rapidly setting new test parameters, and monitoring test data in real time. Auto_SCB is able to operate in load-control and displacement-control modes and can run asphalt performance tests such as IDT strength and IDT creep compliance. The data acquisition system can connect to multiple transducers simultaneously. The frame maintains the specimen alignment during the test, and the durable electromechanical loading system needs minimal maintenance. The Auto_SCB operates at 110V AC and can be setup at any asphalt lab.



ADVANTAGES

- ▶ Meets AASHTO TP124 (I-FIT) and ASTM D8044-16 (LSU method)
- ▶ SCB Compatible Test Fixture
- ▶ Color touchscreen display "320 x 240 pixels"
- ▶ 8 analog A/D inputs, for load, displacement, etc.
- ▶ Fully automatic test process with real time acquisition and a graph of load/displacement or load or deformation versus time curve
- ▶ Removable memory capable of storing 1,000s of tests



Auto_SCB™

With automatic load or displacement/ deformation control for testing

ASPHALT:

- SCB
- MARSHALL
- IDT/TSR
- DIRECT SHEAR on asphalt interlayers

SPECIFICATIONS

Dimensions	500 x 450 x 1450mm (20 x 18 x 57 in)
Weight	130 kg (300 lbs)
Power Supply	110/120V (220V optional)
Maximum Compression Capacity	50kN/11,000 lbs
Maximum Tension Capacity	25kN/5,600 lbs
Adjustable Testing Speed	0.01 to 51 mm/min (0.0004 to 2.0 in/min)
Maximum Ram Travel	100 mm (4 in)