

It is mainly used in the laboratory to evaluate the properties of asphalt mixture. The self-developed control system and temperature control system enable the equipment to meet the requirements of multiple tests, and multiple tests can be completed with different fixtures.

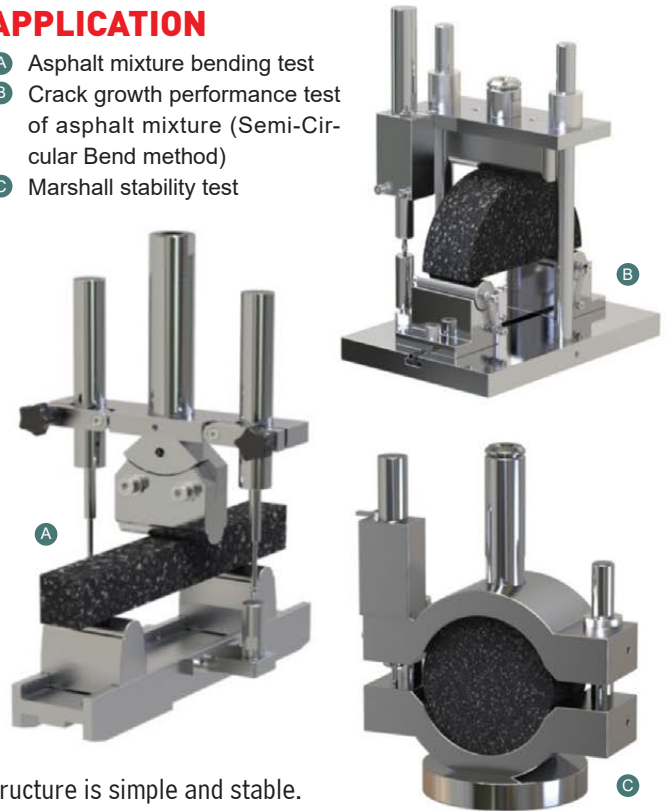


TECHNICAL SPECIFICATIONS

Loading capacity	30 kN
Loading stroke	50mm
Displacement sensor	0~20mm
Displacement sensor accuracy	± 0.01mm
Pressure sensor	0~30 kN
Pressure sensor accuracy	± 30N
Column spacing	350mm
Test space	610x600x600 mm
Temperature control range	-20°C~+70°C
Temperature control accuracy	± 1°C
Power supply	380V 50Hz
Power	5kW
Dimensions	700 x 840 x 1550mm
Weight	200kg

APPLICATION

- A Asphalt mixture bending test
- B Crack growth performance test of asphalt mixture (Semi-Circular Bend method)
- C Marshall stability test



FEATURES

- ⊙ Using high-hardness high-quality steel as the frame, the structure is simple and stable.
- ⊙ The adopted LVDT has high precision and stability.
- ⊙ Adopt customized special high-performance, high-stability pressure sensor.
- ⊙ The temperature sensor, displacement sensor and pressure sensor are linearly modulated to ensure the accuracy within the full scale.
- ⊙ The position of the sensor is reasonable, and the test result is more accurate.
- ⊙ Test results can be automatically generated and saved, and related curves can be displayed.
- ⊙ Equipped with a constant temperature chamber with cooling and heating functions.
- ⊙ Using PWM modulation method for temperature PID control, wide temperature control range, high precision and stability.
- ⊙ Test fixtures can be customized for different tests.
- ⊙ 16-bit adaptive data acquisition system with a sampling frequency up to 5KHz.