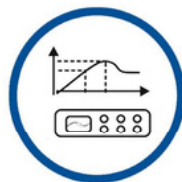
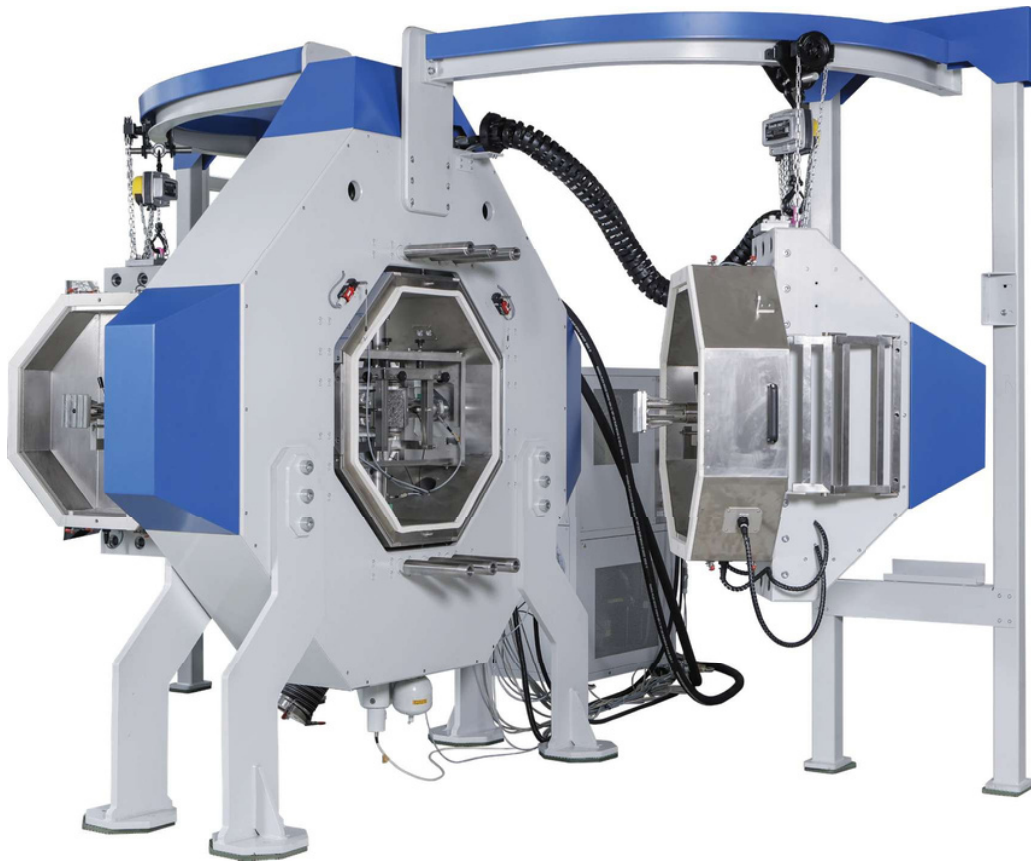


DYNAMIC ASPHALT TRUE TRIAXIAL TEST DEVICE

ASPHALT / CONCRETE / STEEL

The dynamic asphalt true triaxial test is an advanced laboratory method that evaluates asphalt mixtures under cyclic, multi-axial loading to simulate real-world traffic stresses. Unlike standard triaxial tests, it independently controls stresses in all three directions ($\sigma_1 \neq \sigma_2 \neq \sigma_3$), applying cyclic loads (e.g., 0.1–50 Hz) to a cubic specimen, mimicking pavement conditions.

This test assesses critical properties like shear strength, rutting, fatigue cracking, and dynamic modulus across various temperatures, offering a realistic understanding of asphalt behavior under complex stress states.



RELIABLE TEST RESULT

GENERAL TECHNICAL SPECIFICATIONS

Double-acting hydraulic cylinder	25 , 60, and 100 kN
Test frequency	up to 50 Hz
Specimen size	up to 150 x 150 x 150 mm
Specimen temperature ranges	-20 °C to +60 °C

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